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Epson Perfection V600 Photo

User's Guide



Overview of Your Scanner Features

These features help you create the best possible scans, no matter what shape your original is in.



Guide to the Scanner Parts

Check this section to identify the parts of your scanner.



Placing Originals on the Scanner

Follow the steps here to place your original documents or photos on the scanner.



Scanning Your Originals

Follow the step-by-step instructions here to scan your original documents or photos using any of the available scanning methods.



Scanning Special Projects

Follow the instructions here for specific scanning projects you may need to create.



Maintenance

Follow the guidelines here to maintain and transport your scanner.



Solving Problems

If you have a problem using your scanner or its software, check here for solutions.



Technical Specifications

Check here for technical details about your scanner and its accessories.

- Safety
- Copyright and Trademarks
- Operating System Versions

Overview of Your Scanner Features

These features help you create the best possible scans, no matter what shape your original is in.

Color Restoration

Dust Removal

DIGITAL ICE Technology

Backlight Correction

Text Enhancement

Guide to the Scanner Parts

Check these sections to identify the parts of your scanner.

Scanner Parts

Light and Buttons

Placing Originals on the Scanner

Follow the steps here to place your original documents or photos on the scanner.

Placing Documents or Photos

Placing Film or Slides

Scanning Your Originals

Follow the step-by-step instructions here to scan your original documents or photos using any of the available scanning methods.

- Starting Epson Scan
- Selecting an Epson Scan Mode
- Changing the Scan Mode
- Scanning in Full Auto Mode
- Scanning in Office Mode
- Scanning in Home Mode
- Scanning in Professional Mode
- Selecting File Save Settings
- Detailed Setting Instructions
- Finishing the Scan

Scanning Special Projects

Follow these instructions for specific scanning projects you may need to create.

- Restoring Color
- Removing Dust Marks with the Dust Removal Feature
- Removing Dust and Scratch Marks from Originals Using DIGITAL ICE Technology
- Fixing Backlit Photos
- Text Enhancement
- Using the Scanner as a Copier
- Scanning to a PDF File
- Scanning Directly to an E-mail
- Converting Scanned Documents Into Editable Text
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- Assigning a Program to a Scanner Button

Maintenance

Follow the guidelines here to maintain and transport your scanner.

Cleaning the Scanner

Replacing the Scanner Light Source

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Transporting the Scanner

Solving Problems

Troubleshooting

If you have a problem using your scanner or its software, check here for solutions.

- Scanner Problems
- Scanning Problems
- Scan Quality Problems
- Uninstalling Your Scanning Software

Where To Get Help

- Technical Support Web Site
- Contacting Epson Support

Technical Specifications

Check here for technical details about your scanner and its accessories.

System Requirements

Scanner Specifications

Note:

Epson offers a recycling program for end of life products. Please go to www.epson.com/recycle for information on how to return your products for proper disposal.

Important Safety Instructions

Restrictions on Copying

Read all these instructions, and follow all warnings and instructions marked on the scanner.

- In this document, warnings, cautions, and notes indicate the following:

 Warnings

 must be followed carefully to avoid bodily injury.

 Cautions

 must be observed to avoid damage to your equipment.

 Notes

 contain important information and useful tips on the operation of this product.

- Place the scanner close enough to the computer for the interface cable to reach it easily. Do not place or store the scanner or the AC adapter outdoors, near excessive dirt or dust, water, heat sources, or in locations subject to shocks, vibrations, high temperature or humidity, direct sunlight, strong light sources, or rapid changes in temperature or humidity. Do not use with wet hands.
- Place the scanner and the AC adapter near an electrical outlet where the adapter can be easily unplugged.

 Caution:

 Be sure the AC power cord meets the relevant local safety standards.

- The AC power cord should be placed to avoid abrasions, cuts, fraying, crimping, and kinking. Do not place objects on top of the AC power cord and do not allow the AC adapter or the power cord to be stepped on or run over. Be particularly careful to keep the AC power cords straight at the end and the point where it enters the AC adapter.
- Use only the AC adapter that comes with your scanner. Using any other adapter could cause fire, electrical shock, or injury.
- The AC adapter is designed for use with the scanner with which it was included. Do not attempt to use it with other electronic devices unless specified.
- Use only the type of power source indicated on the AC adapter's label, and always supply power directly from a standard domestic electrical outlet with the AC adapter that meets the relevant local safety standards.
- When connecting this product to a computer or other device with a cable, ensure the correct orientation of the connectors. Each connector has only one correct orientation. Inserting a connector in the wrong orientation may damage both devices connected by the cable.
- Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on

and off.

- If you use an extension cord with the scanner, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Never disassemble, modify, or attempt to repair the AC adapter, scanner, or scanner option by yourself except as specifically explained in the scanner's guides.
- Do not insert objects into any opening as they may touch dangerous voltage points or short out parts. Beware of electrical shock hazards.
- If damage occurs to the plug, replace the cord set or consult a qualified electrician. If there are fuses in the plug, make sure you replace them with fuses of the correct size and rating.
- Unplug the scanner and the AC adapter, and refer servicing to qualified service personnel under the following conditions: The AC adapter or plug is damaged; liquid has entered the scanner or the AC adapter; the scanner or the AC adapter has been dropped or the case has been damaged; the scanner or the AC adapter does not operate normally or exhibits a distinct change in performance. (Do not adjust controls that are not covered by the operating instructions.)
- Unplug the scanner and the AC adapter before cleaning. Clean with a damp cloth only. Do not use liquid or aerosol cleaners.
- If you are not going to use the scanner for a long period, be sure to unplug the AC adapter from the electrical outlet.

Restrictions on Copying

Observe the following restrictions to ensure responsible and legal use of your scanner.

Copying of the following items is prohibited by law:

- Bank bills, coins, government-issued marketable securities, government bond securities, and municipal securities
- Unused postage stamps, pre-stamped postcards, and other official postal items bearing valid postage
- Government-issued revenue stamps, and securities issued according to legal procedure

Exercise caution when copying the following items:

- Private marketable securities (stock certificates, negotiable notes, checks, etc.), monthly passes, concession tickets, etc.
- Passports, driver's licenses, warrants of fitness, road passes, food stamps, tickets, etc.

Note:

Copying these items may also be prohibited by law.

A note concerning responsible use of copyrighted materials

Epson encourages each user to be responsible and respectful of the copyright laws when using any Epson product. While some countries' laws permit limited copying or reuse of copyrighted material in certain circumstances, those circumstances may not be as broad as some people assume. Contact your legal advisor for any questions regarding copyright law.

Default Delay Times for Power Management for Epson products

This product will enter sleep mode after a period of nonuse. The time interval has been set at the factory to ensure that the product meets Energy Star standards of energy efficiency, and cannot be modified by the consumer.

Restriction on disassembling and decompiling

You may not disassemble, decompile or otherwise attempt to derive the source code of any software included with this product.

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libtiff

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CPD-27477R3

Operating System Versions

In this manual, the following abbreviations are used.

Windows refers to Windows 8, 7, Vista, XP, and XP x64.

- Windows 8 refers to Windows 8 and Windows 8 Pro.
- Windows 7 refers to Windows 7 Home Basic, Windows 7 Home Premium, Windows 7 Professional, and Windows 7 Ultimate.
- Windows Vista refers to Windows Vista Home Basic Edition, Windows Vista Home Premium Edition, Windows Vista Business Edition, Windows Vista Enterprise Edition, and Windows Vista Ultimate Edition.
- Windows XP refers to Windows XP Home Edition, Windows XP Professional x64 Edition, and Windows XP Professional.

Macintosh refers to Mac OS X.

- Mac OS X refers to Mac OS X 10.5.8, 10.6.x, 10.7.x and 10.8.x.

Color Restoration

Using the **Color Restoration** feature in Epson Scan, you can transform an old, faded, or badly exposed photo into one with true-to-life color and sharpness.

Original image	Color Restoration applied
	

For instructions on using this feature, see Restoring Color.

Dust Removal

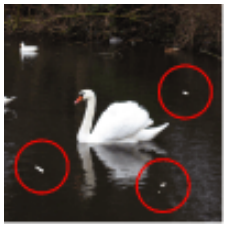
Using the **Dust Removal** feature in Epson Scan, you can virtually “clean” the dust marks from your originals as you scan them.

Original image	Dust Removal applied
	

For instructions on using this feature, see Removing Dust Marks with the Dust Removal Feature.

DIGITAL ICE Technology

Your scanner and its Epson Scan software are equipped with the **DIGITAL ICE Technology** feature that removes dust or scratch marks from your originals.

Original image	DIGITAL ICE Technology applied
	

DIGITAL ICE Technology can remove dust marks that the Dust Removal feature cannot. However, it takes longer to scan using DIGITAL ICE Technology and also uses more of your system resources. It is best to try removing dust marks using Dust Removal before using DIGITAL ICE Technology.

For instructions on using this feature, see Removing Dust and Scratch Marks from Originals Using DIGITAL ICE Technology for instructions.

Backlight Correction

Using the **Backlight Correction** feature in your scanning software, you can remove shadows from photos that have too much background light.

Original image	Backlight Correction applied
	

For instructions on using this feature, see Fixing Backlit Photos.

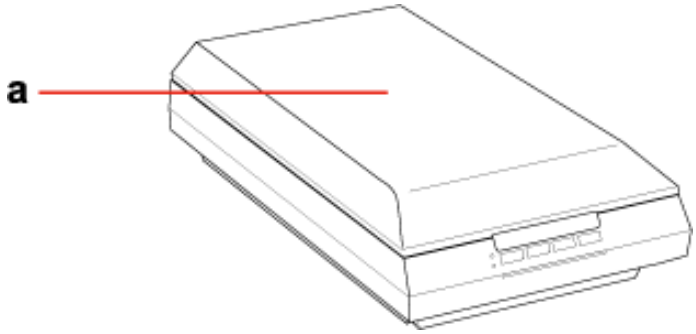
Text Enhancement

When you scan documents, you can sharpen the text and increase accuracy by using the **Text Enhancement** feature in Epson Scan.

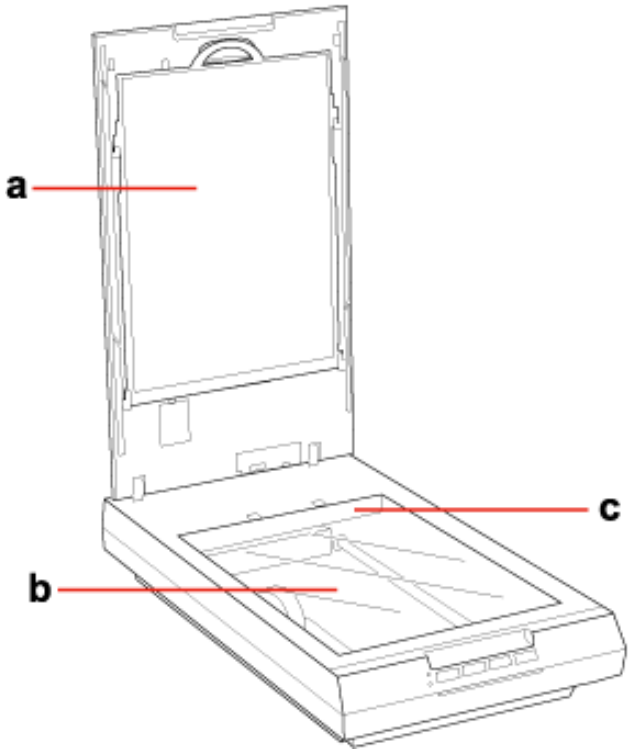
Original	Text Enhancement: Off	Text Enhancement: On
		

For instructions on using this feature, see Text Enhancement.

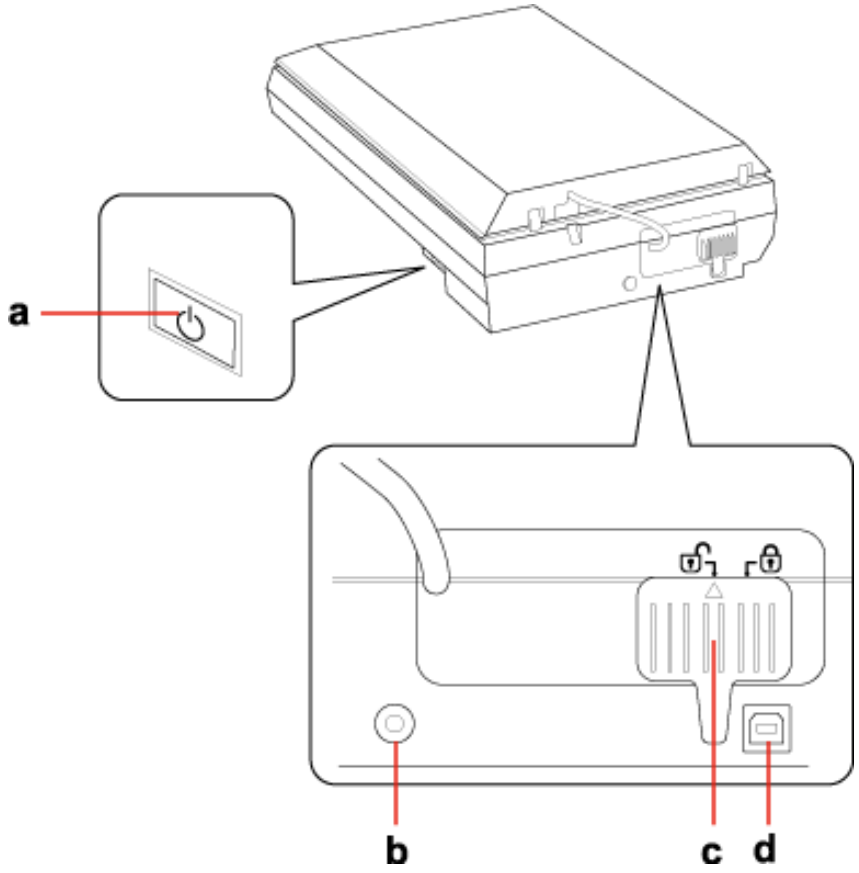
Scanner Parts



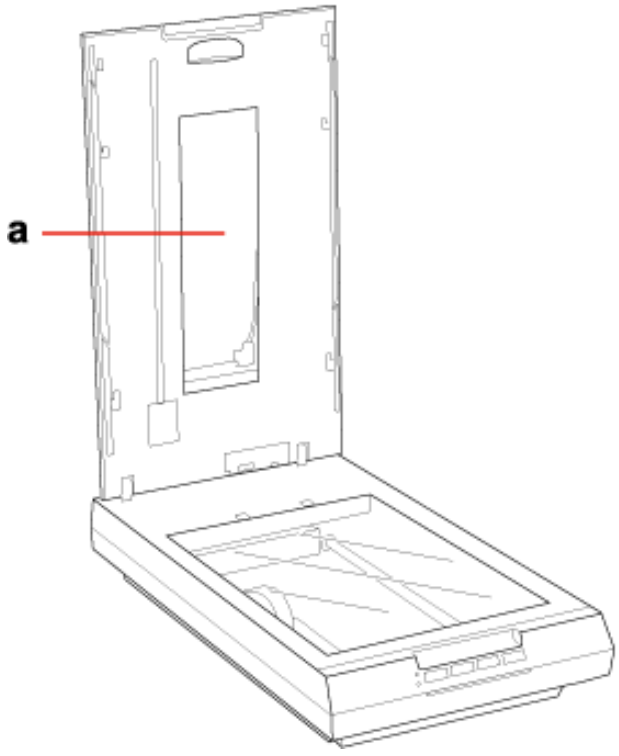
a. scanner cover



a. document mat
b. document table
c. carriage (in the document table)



a. Power switch
b. DC inlet
c. transportation lock
d. USB interface connector



a. transparency unit window

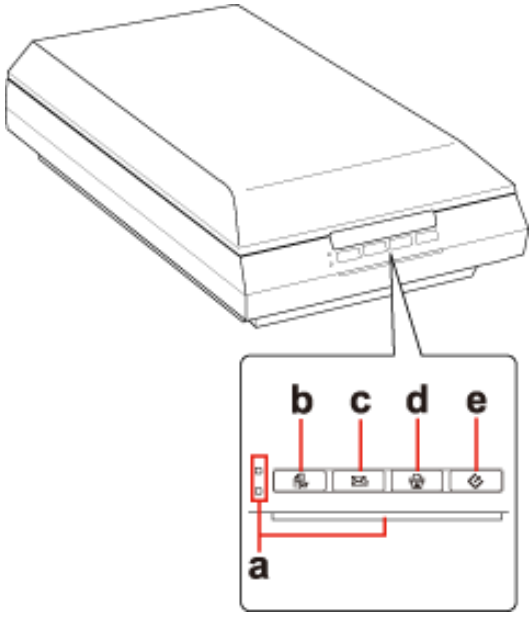
Lights and Buttons

Lights
Buttons

Note:

Your product may look different from the illustrations in this guide, but the instructions are the same.

The scanner has four buttons for scanning operations. The Status lights indicate whether the scanner is operating normally.



a. Status lights
b. PDF button
c. E-mail button
d. Copy button
e. Start button

Lights

The green and orange status lights are on the left of the PDF button and the blue status light is on the bottom of the four buttons.

Color	Indicator Status	Meaning

Green	On	Power is on.
	Flashing	Entering power saving mode.
Orange	Flashing	An error has occurred. See The Status Light Is Flashing for more information.
Blue	Flashing	Initializing or scanning.
(None)	Off	The scanner is off.

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Buttons

Before using the scanner buttons, make sure you have installed Epson Scan.

Button	Function
Start	Epson Scan starts.
Copy	Copy Utility starts.
E-mail	Epson Scan automatically scans, then the Send File Via E-mail window appears.
PDF	The Scan to PDF window appears.

See Using the Scanner Buttons.

Top

Placing Documents or Photos

Placing Documents or Photos on the Document Table
Placing Large or Thick Documents

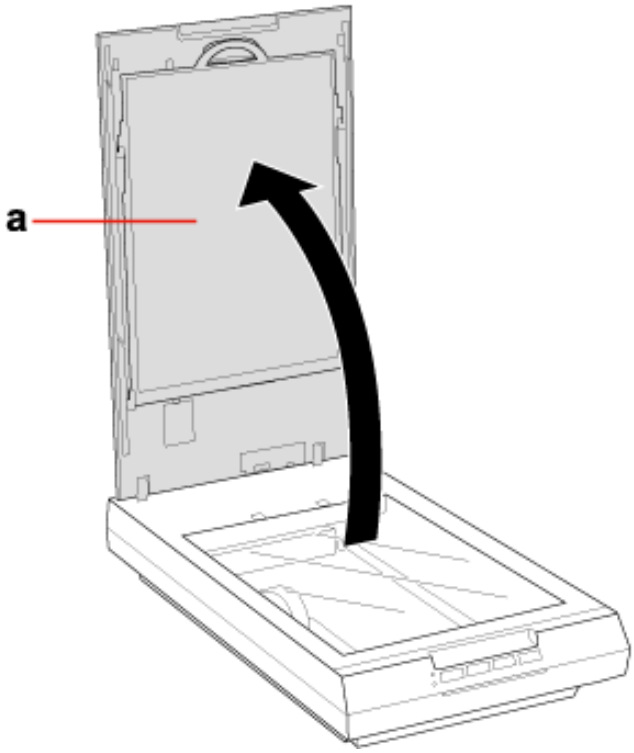
Caution:

Do not place heavy objects on the document table glass and do not press the glass with too much force.

Placing Documents or Photos on the Document Table

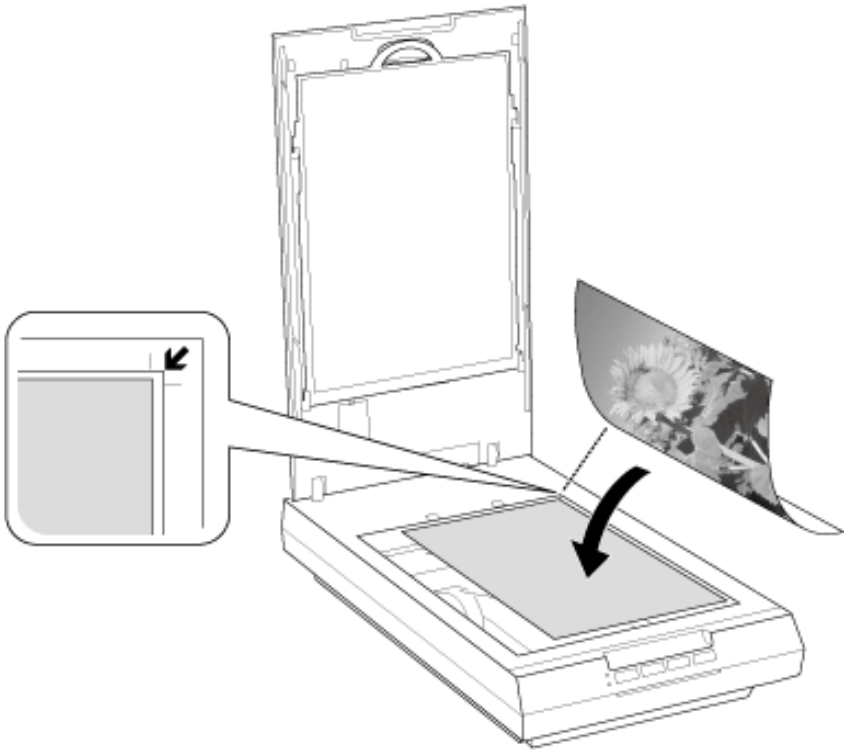
1 Open the scanner cover.

Make sure the document mat is installed inside the cover. If it is not installed, see Replacing the Document Mat for instructions.



a. document mat

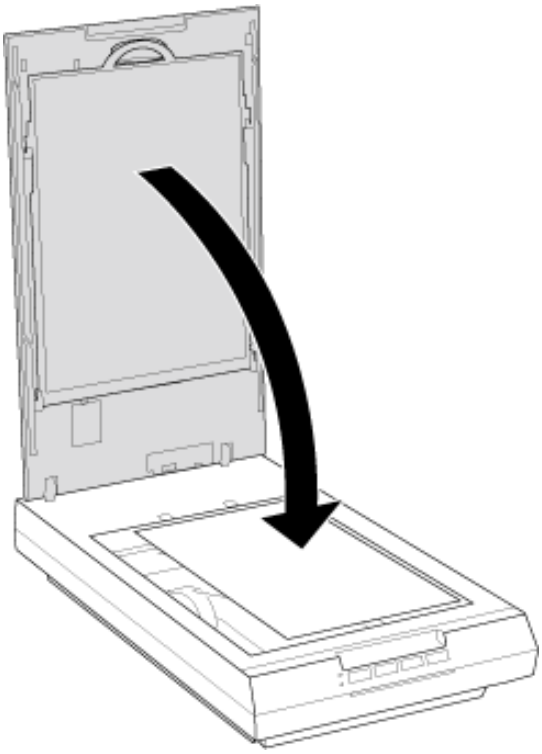
2 Place your document or photo facedown on the document table. Make sure the upper right corner of the document or photo is against the corner of the scanner, next to the arrow mark.



Note:

If you are scanning multiple photos at once, position each photo at least 20 mm (0.8 inch) apart from the others.

3 Close the scanner cover gently so that your original does not move.



Note:

- Always keep the document table clean.
- Do not leave photos on the document table for an extended period of time as they may stick to the glass.

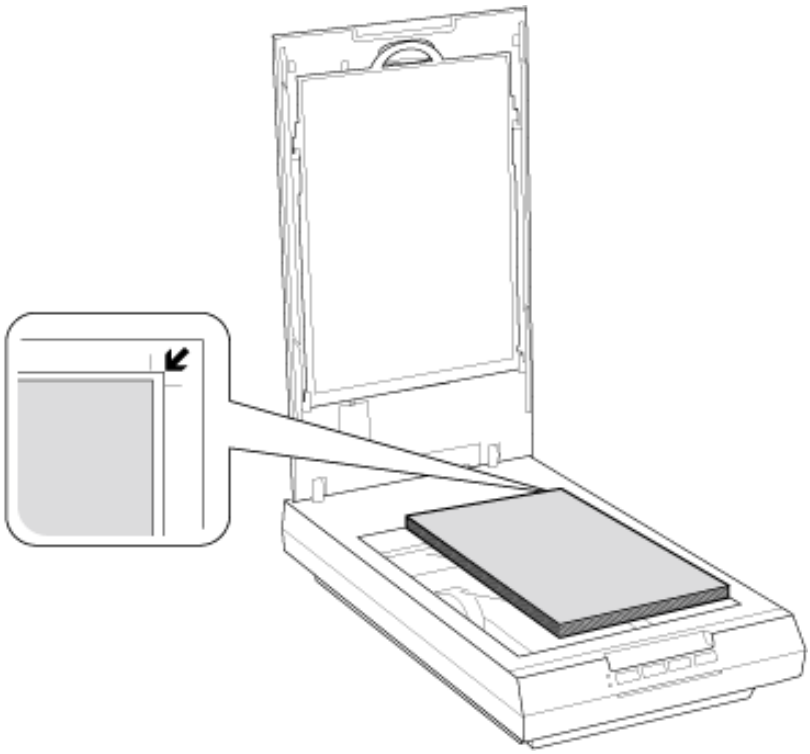
To start scanning, see Starting Epson Scan for instructions.

Top

Placing Large or Thick Documents

When you scan a large or thick document, you can pull the scanner cover straight up.

1 Place a large or thick document on the document table.



2 Close the document cover and hold it down firmly as you scan.



Top

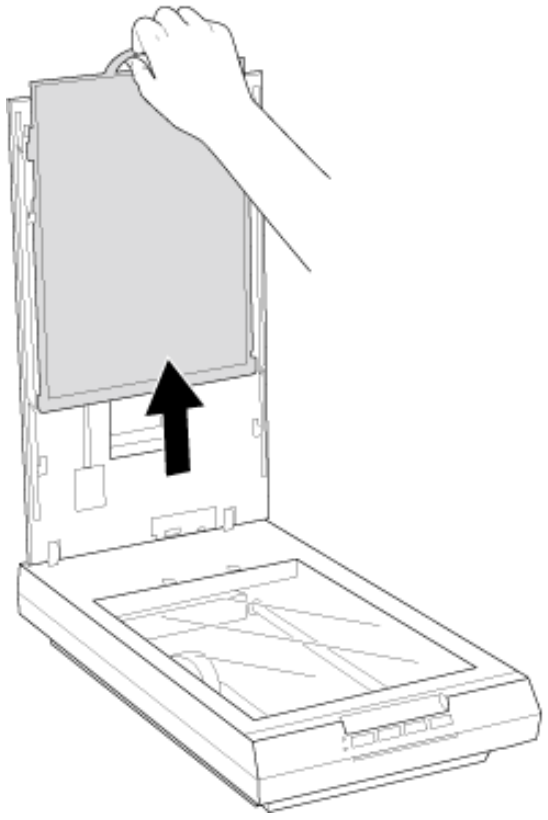
Placing Film or Slides

Removing the Document Mat
Placing Film in the Holder
Placing Slides in the Holder
Replacing the Document Mat

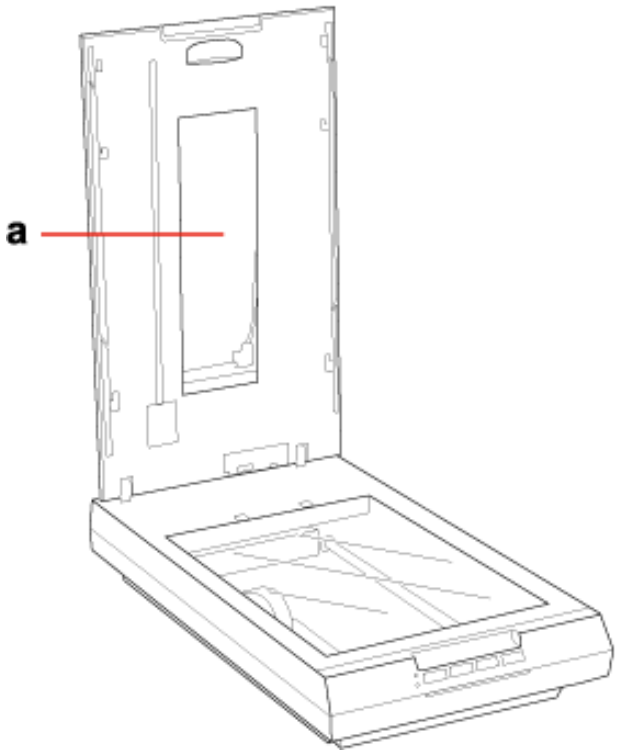
Removing the Document Mat

To scan film strips or slides, you need to remove the document mat from the scanner cover. This uncovers the transparency unit window so your scanner can use it to scan your film or slides.

1 Open the scanner cover and gently slide up the document mat to remove it.



2 Use a soft cloth to wipe the transparency unit window and the document table before placing your film or slides.



a. transparency unit window

To place film for scanning, see Placing Film in the Holder.

To place slides for scanning, see Placing Slides in the Holder.

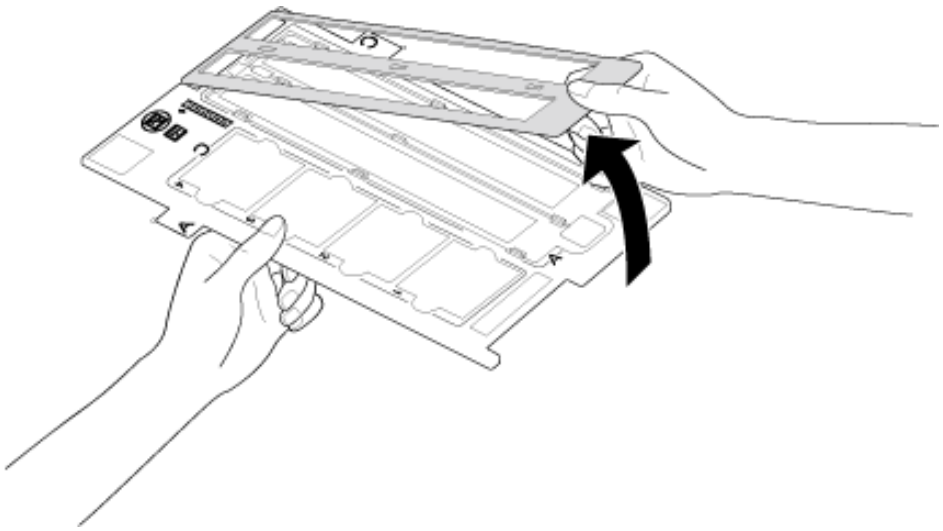
To replace the document mat, see Replacing the Document Mat.

Top

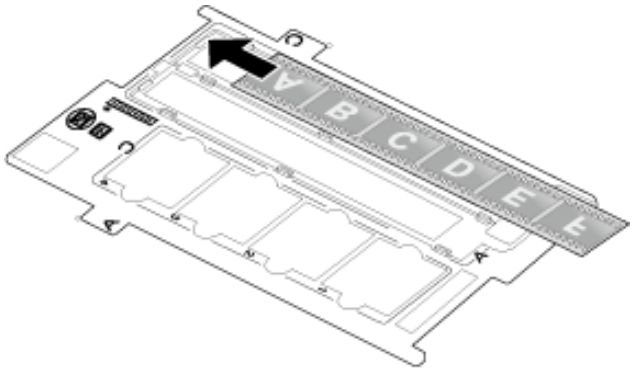
Placing Film in the Holder

Placing 35 mm Film Strips

1. Open the cover of the 35 mm film strip holder.



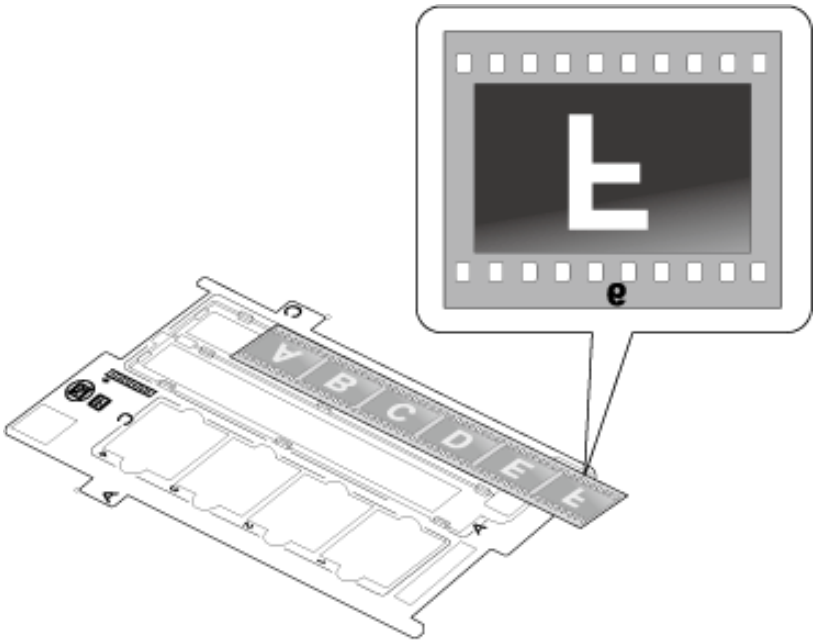
2 Slide one or two film strips all the way into the film holder with the shiny base side facing down. Your images and any wording on the film strips should appear backwards on the side that faces up.



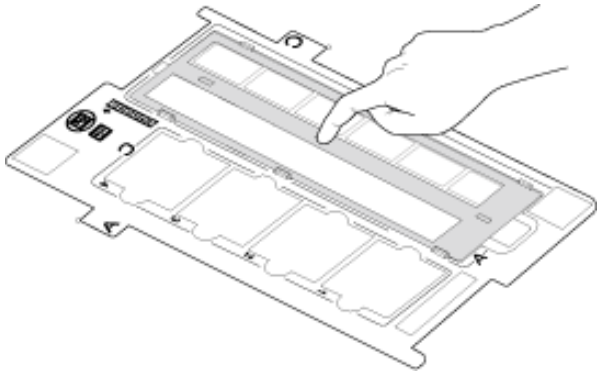
Note:

- Hold the edge of the film gently or use gloves to touch the film; otherwise you may damage the film.
- Make sure the white stickers on the back of the film holder and the areas around them are not scratched, dusty, or covered in any way. If the areas are obscured, the scanner may have trouble recognizing your film in Full Auto Mode.
- Do not cover the small holes in the film holder.

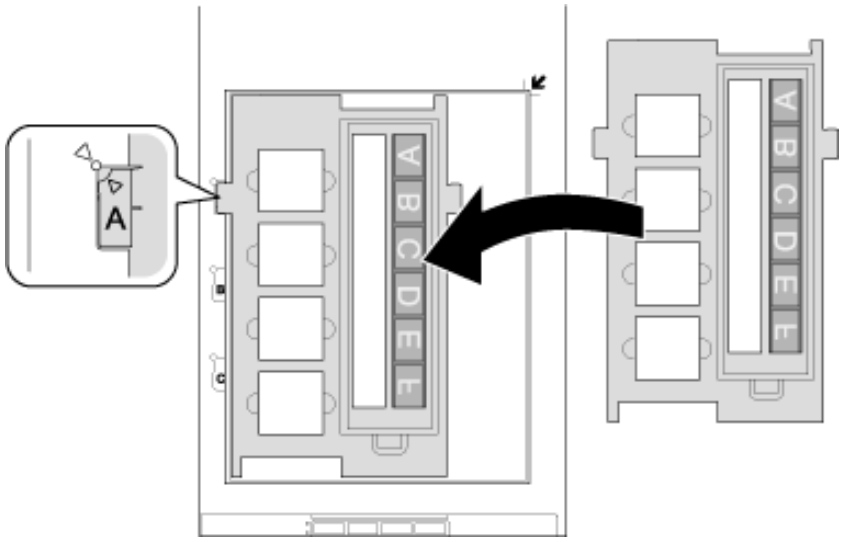
3 Make sure the film strip is placed as shown.



4 Close the cover and press it down until you hear a click. Then press down on all the edges of the covers to secure them.



5 Place the film holder on the document table so that it is aligned as shown. Make sure the tab labelled “A” on the film holder fits into the area labelled “A” on the scanner.



6 Make sure you removed the document mat. See Removing the Document Mat.

7 Close the scanner cover.

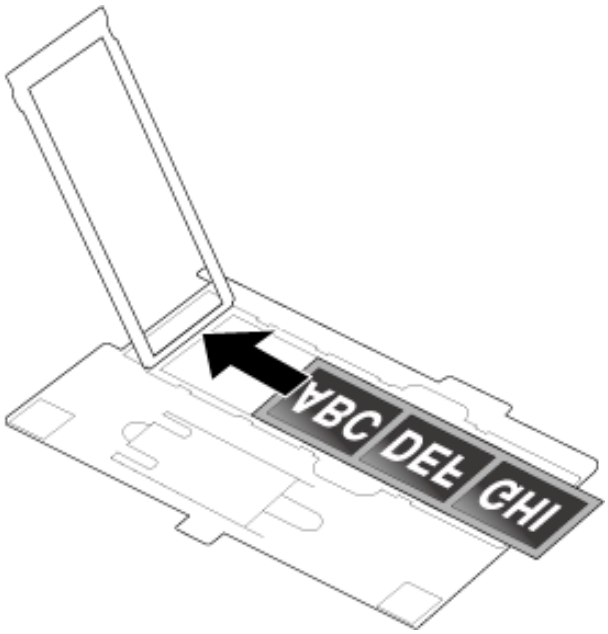
To scan your film, see Starting Epson Scan.

When you are finished scanning film, be sure to replace the document mat before scanning documents or photos. See Replacing the Document Mat.

Placing Medium Format Film

1 Open the cover on the medium format film holder.

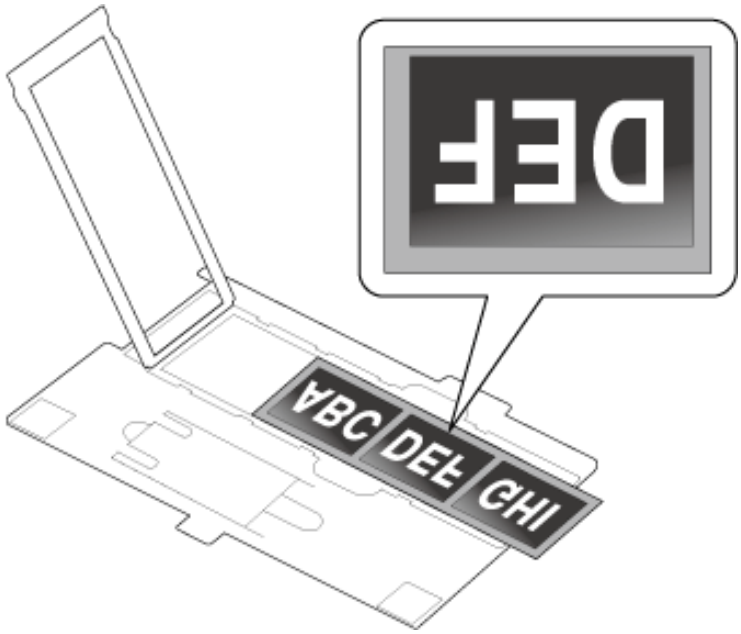
2 Slide one medium format film image into the film holder with the shiny base side facing down. Your image and any wording on the film should appear backwards on the side that faces up. Make sure the entire image frame is positioned in the film holder opening.



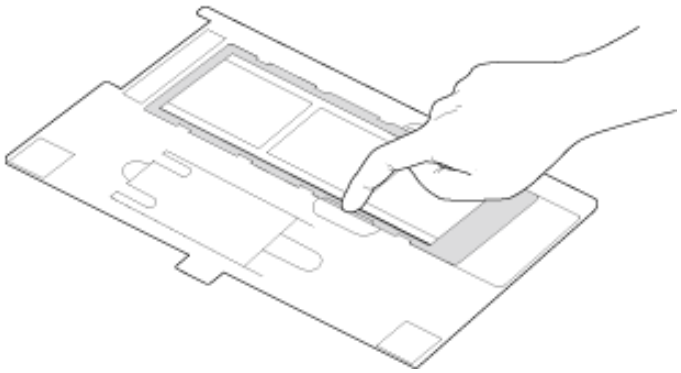
Note:

- Hold the edge of the film gently or use gloves to touch the film; otherwise you may damage the film.
- Do not cover any of the tiny holes in the film holder or the scanner may have trouble recognizing which film holder you are using.

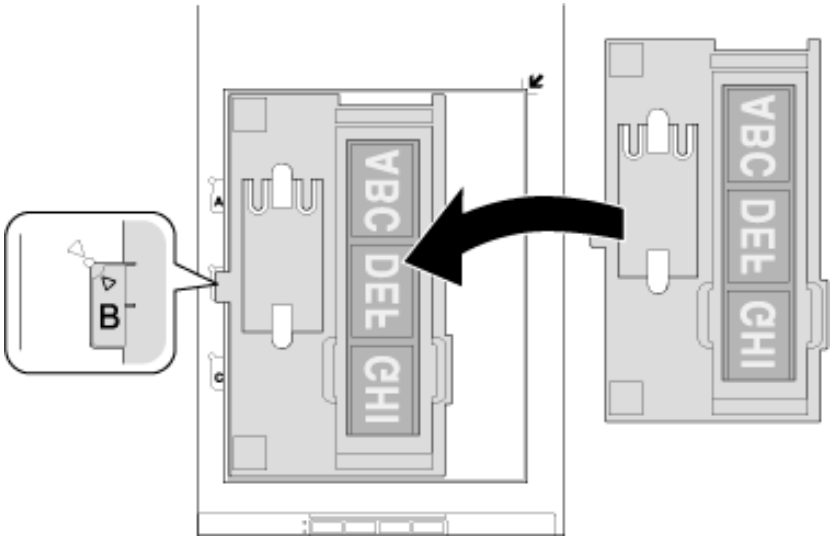
3 Make sure the film strip is placed as shown.



4 Close the cover over the film and press it down until it clicks. Then press down on all the edges of the cover to secure it.



5 Place the film holder on the document table so that it is aligned with the upper left corner. Make sure the tab labelled “B” on the film holder fits into the area labelled “B” on the scanner.



6 Make sure you removed the document mat. See Removing the Document Mat.

7 Close the scanner cover.

Note:

You cannot use Full Auto Mode to scan medium format film.

When you are finished scanning film, be sure to replace the document mat before scanning documents or photos. See Replacing the Document Mat.

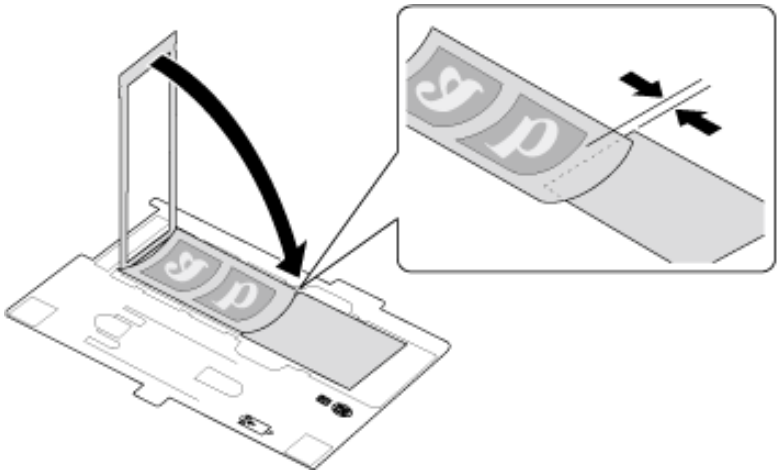
Using the scanning support sheet

When the film is curled, flatten the film using the scanning support sheet that came with the medium format film holder.

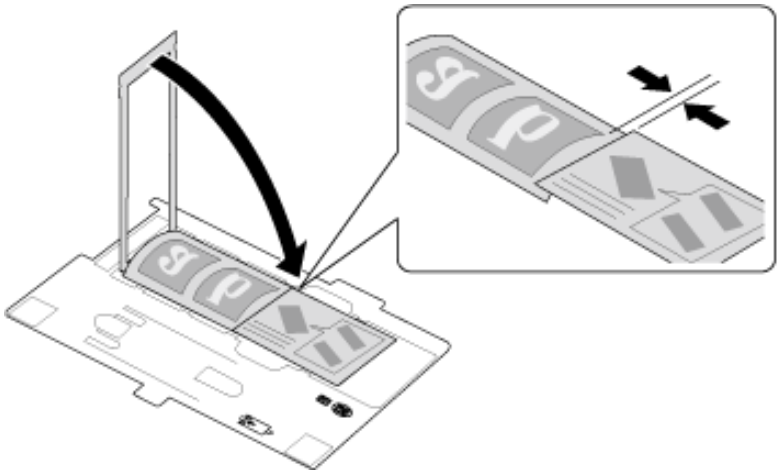
Caution:

- Keep at least 2 mm space between the image frame and scanning support sheet.
- Make sure that the glossy side contacts with the film surface. When you set the scanning support sheet upside down, it may damage the film.

- **When the film is curled downwards:**
 Place the scanning support sheet under the film with glossy surface facing up. Then, close the holder cover.



- **When the film is curled upwards:**
 Place the scanning support sheet on the film with glossy surface facing down. Then, close the holder cover.



Top

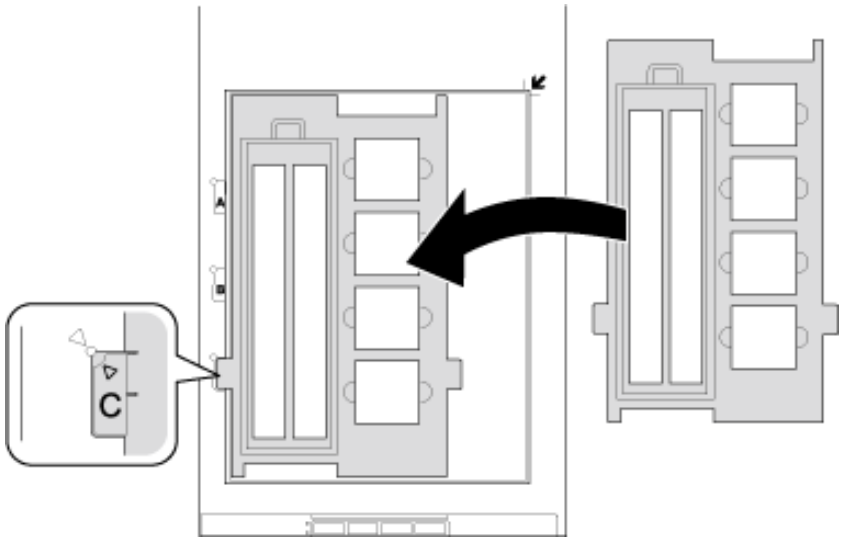
Placing Slides in the Holder

You can scan up to four 35 mm slides at a time using the slide portion of the film holder.

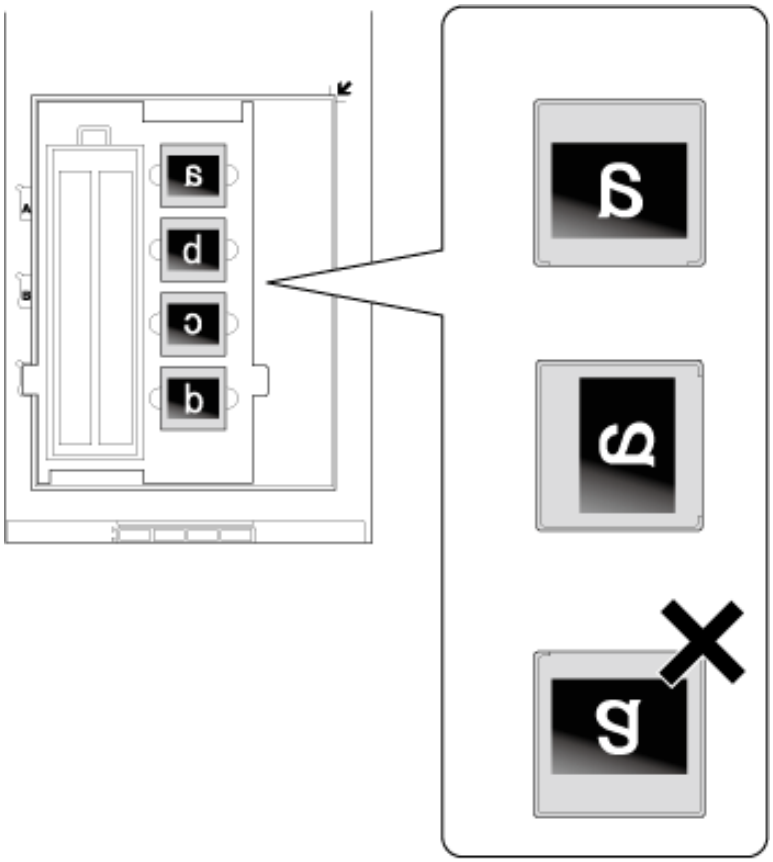
Note:

- Make sure the white stickers on the back of the film holder and the areas around them are not scratched, dusty, or covered in any way. If the areas are obscured, the scanner may have trouble recognizing your slides in Full Auto Mode.
- Do not cover the small holes on the film holder.

1 Place the film holder on the document table so that it is aligned as shown. Make sure the tab labelled “C” on the film holder fits into the area labelled “C” on the scanner.



2 Place up to four slides in the film holder with the shiny base side facing down. Your images should appear backwards on the side that faces up. Your images should be oriented as shown.



Note:

Make sure you place the long edge of the slide in the film holder as shown above.

3 Make sure you removed the document mat. See Removing the Document Mat.

4 Close the scanner cover.

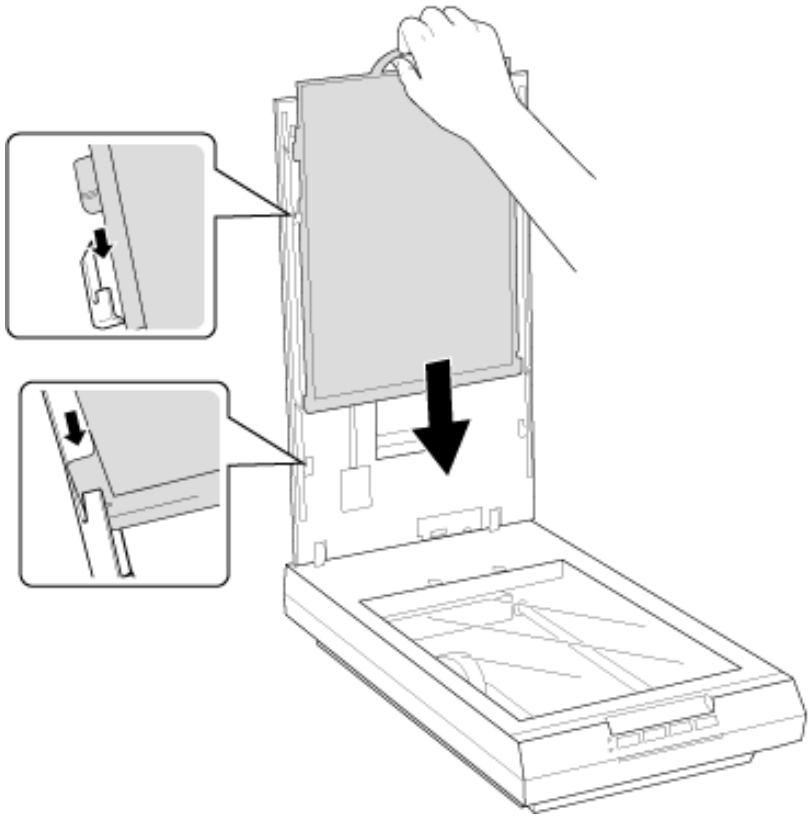
To scan your slides, see Starting Epson Scan.

When you are finished scanning slides, be sure to replace the document mat before scanning documents or photos. See Replacing the Document Mat.

Top

Replacing the Document Mat

Replace the document mat by sliding it into the notches in the scanner cover. Make sure the white surface faces outwards.

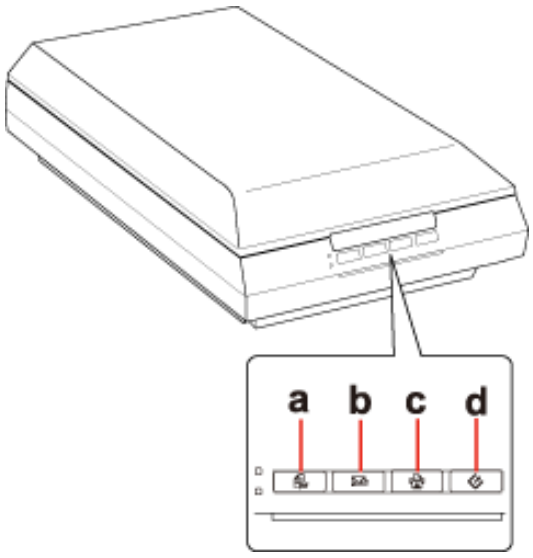


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Starting Epson Scan

Using the Scanner Buttons
Using the Epson Scan Icon
Using Another Scanning Program

Using the Scanner Buttons



a. PDF button
b. E-mail button
c. Copy button
d. Start button

You can start Epson Scan just by pressing the Start button on the scanner. The Epson Scan window automatically opens. See Selecting an Epson Scan Mode for instructions on selecting an Epson Scan mode.

You can also start scanning by pressing the following buttons on the scanner.

- PDF button lets you scan multiple originals and save them as one PDF file on your computer. See Scanning to a PDF File for instructions.
- E-mail button lets you scan and attach the image file to an e-mail message. See Scanning Directly to an E-mail for instructions.
- Copy button lets you use your scanner along with a printer connected to your computer just like you would use a copy machine. See Using the Scanner as a Copier for instructions.

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Using the Epson Scan Icon

You can start Epson Scan by double-clicking the **Epson Scan** icon.

Windows 8:
Double-click the **Epson Scan** icon on the desktop.
Or, navigate to the **Start** screen > **Epson Scan**.

Windows 7 / Vista / XP:
Double-click the **Epson Scan** icon on the desktop.
Or, select the start button icon or **Start** > **All Programs** or **Programs** > **Epson** > **Epson Scan** > **Epson Scan**.

Mac OS X:
Select **Applications** > **Epson Software** > **Epson Scan**.

The Epson Scan window automatically opens. See Selecting an Epson Scan Mode for instructions on selecting an Epson Scan mode.

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Using Another Scanning Program

You can use any TWAIN-compliant scanning program, such as Adobe Photoshop Elements, to scan with your scanner. You open the program, select **Epson Scan**, and **Scan**. When you are finished scanning, the scanned image opens in your scanning program so you can modify, print, and save it.

1. Start a TWAIN-compliant scanning program. Double-click the program icon on the desktop, if it is available, or do one of the following.

 Windows 8:
 Navigate to the **Start** screen > program icon.

 Windows 7 / Vista / XP:
 Select the start button or **Start** > **All Programs** or **Programs** > program folder > program icon.

 Mac OS X:
 Open the **Applications** in your hard drive, select the program folder, and double-click the program icon.

2. Do one of the following.

 Adobe Photoshop Elements:
 Windows:
 Click **EDIT**, open the **File** menu, select **Import**, and select your scanner.
 Mac OS X:
 Click **Close** in the Welcome window if it appears, open the **File** menu, select **Import**, and select your scanner.

 Other Programs:

 In some programs, you must select the scanner as the “source” first. If you see a Select Source option, select it and select your scanner there first.

Note for Windows:

> Do not select a WIA option for your scanner from the Import or Acquire list; you will not be able to use all the features of your scanner.

The Epson Scan window automatically opens. See Selecting an Epson Scan Mode for instructions on selecting an Epson Scan mode.

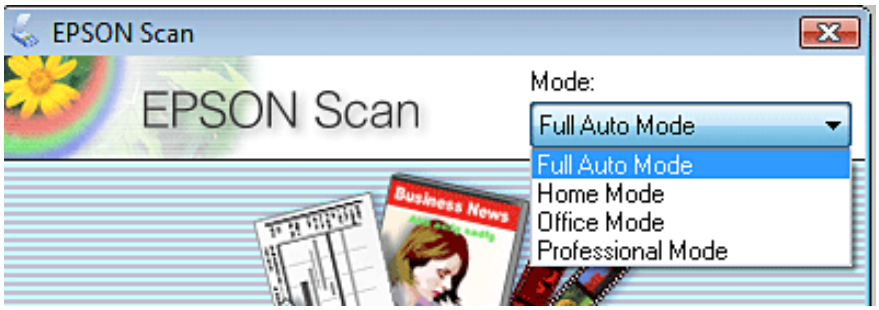
Selecting an Epson Scan Mode

Epson Scan offers several scanning modes to choose from.

- **Full Auto Mode** lets you scan quickly and easily, without selecting any settings or previewing your image. Full Auto Mode is best when you need to scan your originals at 100% size and you do not need to preview the images before scanning. You can restore faded colors or remove dust marks in Full Auto Mode. This is the default mode in Epson Scan.
 - See Changing the Scan Mode for instructions on switching to Full Auto Mode.
 - See Scanning in Full Auto Mode for instructions on making settings in Full Auto Mode.
- **Office Mode** lets you quickly select settings for scanning text documents and check their effects with a preview image.
 - See Changing the Scan Mode for instructions on switching to Office Mode.
 - See Scanning in Office Mode for instructions on making settings in Office Mode.
- **Home Mode** lets you customize some scanning settings and check their effects with a preview image. Home Mode is best when you want to preview images of your originals before scanning them. You can size the image as you scan, adjust the scan area, and adjust many image settings, including color restoration, dust removal, and backlight correction.
 - See Changing the Scan Mode for instructions on switching to Home Mode.
 - See Scanning in Home Mode for instructions on making settings in Home Mode.
- **Professional Mode** gives you total control of your scanning settings and lets you check their effects with a preview image.
 Professional Mode is best when you want to preview your image and make extensive, detailed corrections to it before scanning. You can sharpen, color correct, and enhance your image with a full array of tools, including color restoration, dust removal, and backlight correction.
 - See Changing the Scan Mode for instructions on switching to Professional Mode.
 - See Scanning in Professional Mode for instructions on making settings in Professional Mode.

Changing the Scan Mode

To change the scan mode, click the arrow in the Mode box in the upper right corner of the Epson Scan window. Then, select the mode you want to use from the list that appears.



Note:

The mode you select remains in effect when you start Epson Scan next time.

For instructions on scanning using these modes, see one of these sections.

Full Auto Mode: Scanning in Full Auto Mode

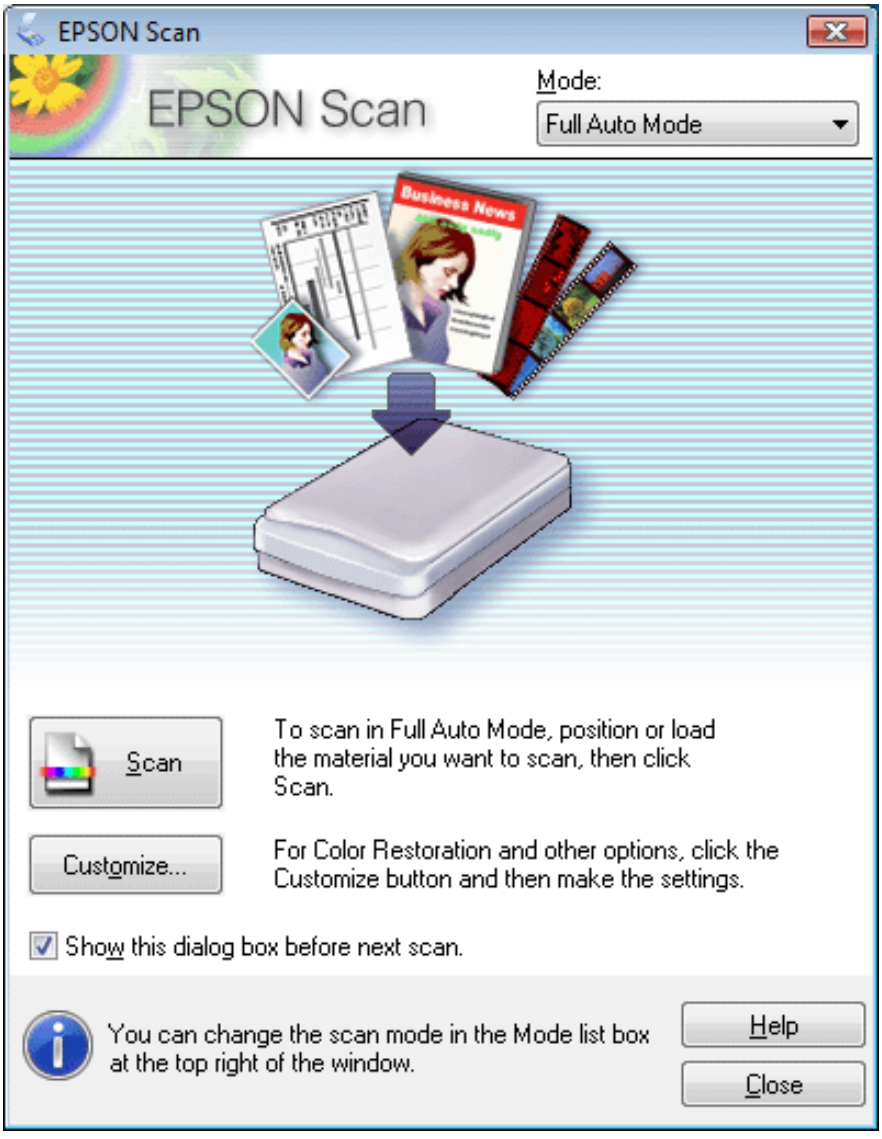
Office Mode: Scanning in Office Mode

Home Mode: Scanning in Home Mode

Professional Mode: Scanning in Professional Mode

Scanning in Full Auto Mode

When you start Epson Scan for the first time, it runs in Full Auto Mode and displays the Epson Scan Full Auto Mode window.



Note for film or slides:

In Full Auto Mode, you can scan only 35 mm color film strip or color positive slides. To scan other types of film, use Home Mode or Professional Mode. To change the scan mode, see Changing the Scan Mode.

Note:

If the **Show this dialog box before next scan** check box is cleared, the Epson Scan starts scanning immediately without displaying this screen. To return to this screen, click **Cancel** in the Scanning dialog box during scanning.

1. Place your original(s) on the document table. See one of these sections for instructions.

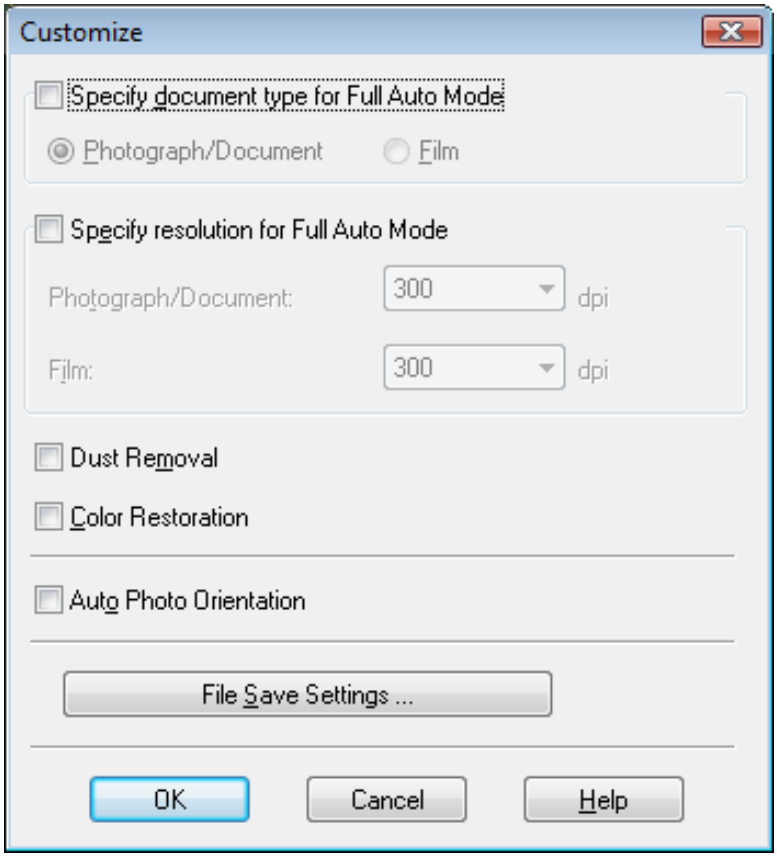
 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. Select **Full Auto Mode** from the Mode list. See Changing the Scan Mode for instructions.

4. If you want to select a custom resolution, restore faded colors, or remove dust marks, click **Customize**. You see the Customize window.

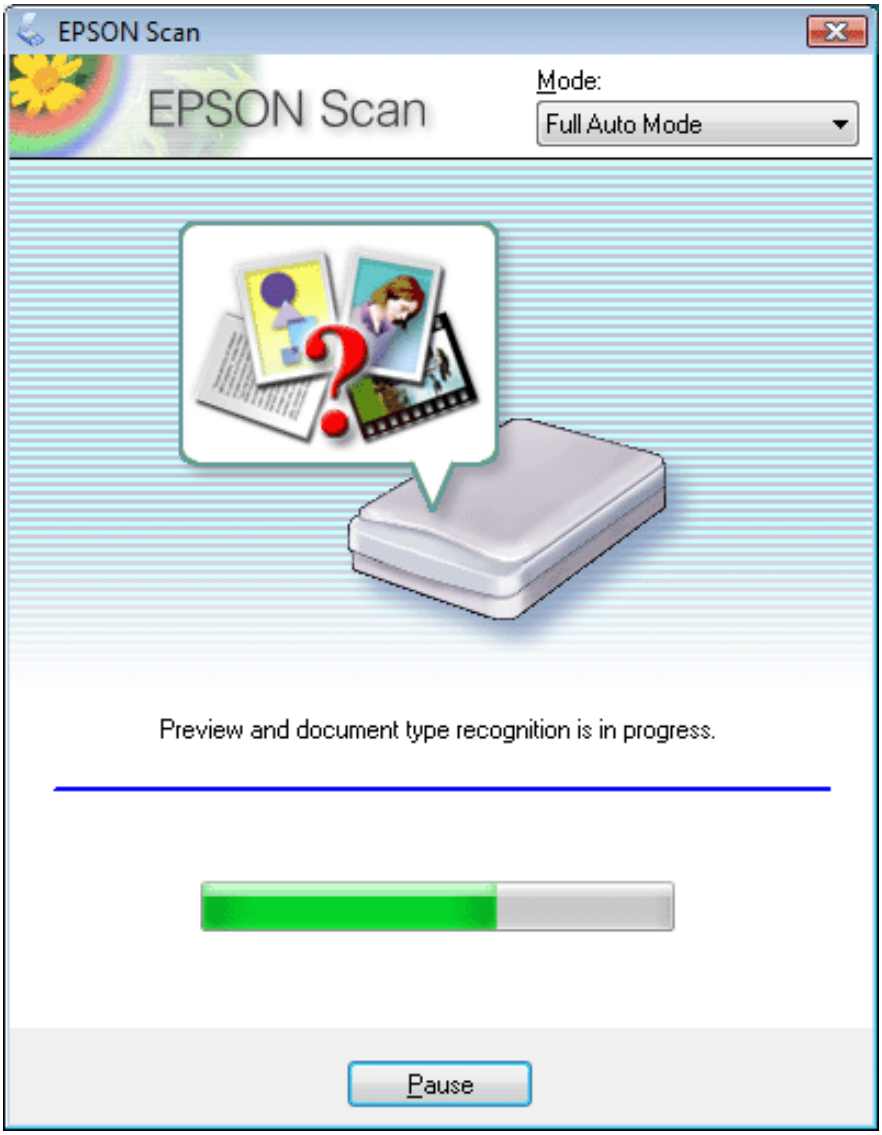


Note:

If you started scanning from a TWAIN-compliant program like Adobe Photoshop Elements, the File Save Settings button does not appear.

5. Select your settings and click **OK**. For details on selecting the settings in the Customize window, see Epson Scan Help.

6. Click **Scan**. Epson Scan starts scanning in Full Auto Mode.



Epson Scan previews each image, detects which type of original it is, and selects the scan settings automatically. After a moment, you see a small preview of each image in the Epson Scan window.

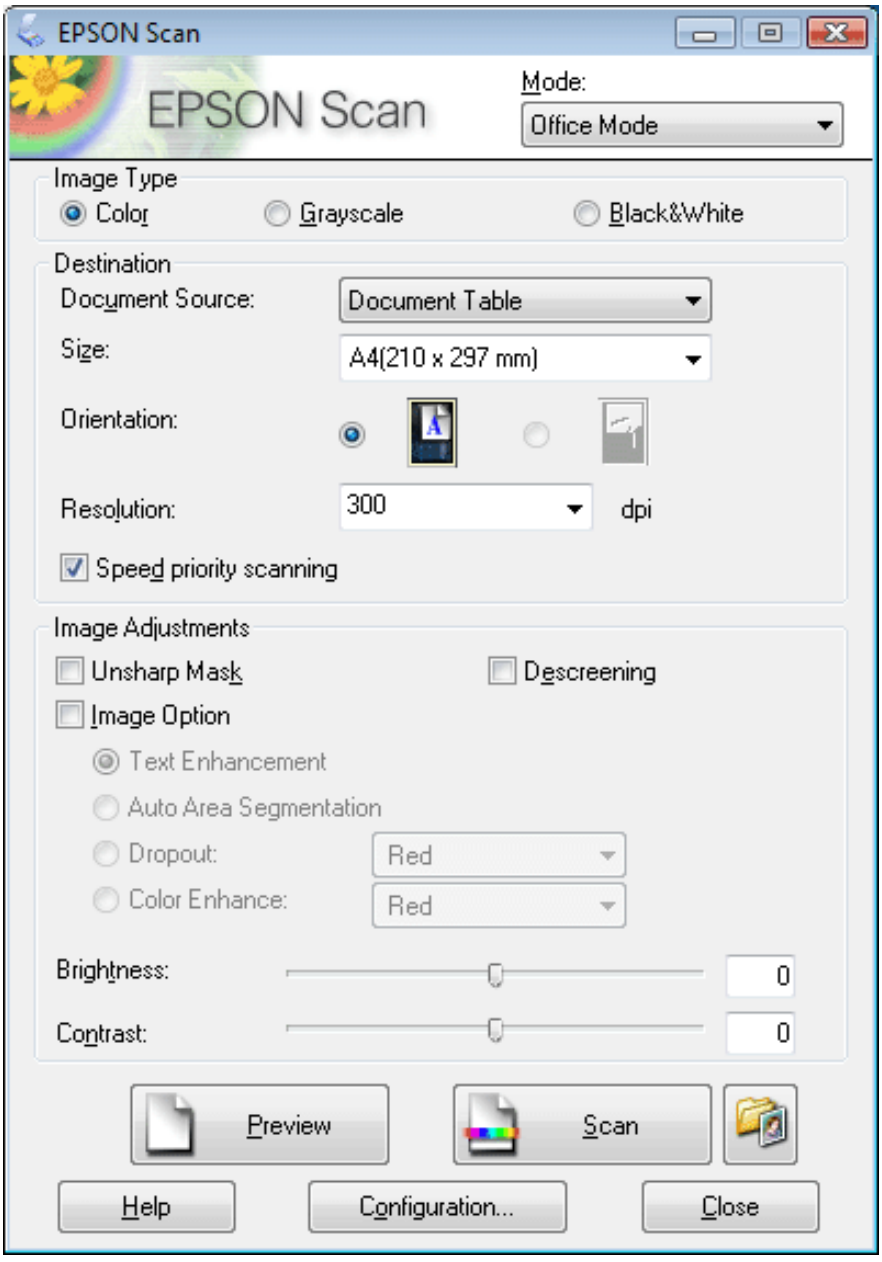
Note:

- It takes a few minutes to scan a full film strip.
- If you need to change any settings, click **Pause**. You will return to the Epson Scan Full Auto Mode window.
- If you need to cancel scanning, click **Cancel** when it appears.

What happens next depends on how you started your scan. See Finishing the Scan for instructions.

Scanning in Office Mode

When you select Office Mode, you see the Epson Scan Office Mode window.



1. Place the original(s) on the document table. See Placing Documents or Photos for instructions.
2. Start Epson Scan. See Starting Epson Scan for instructions.
3. Select **Office Mode** in the Mode list. See Changing the Scan Mode for instructions.

4. Select **Color**, **Grayscale**, or **Black&White** as the Image Type setting.

5. Select **Document Table** as the Document Source setting.

6. Select the size of your original document as the Size setting.

7. Click the arrow to open the **Resolution** list and select an appropriate resolution for your original. See Selecting the Scan Resolution for instructions.

8. Click **Preview** to preview your image(s). The Preview window appears and displays your image. See Previewing and Adjusting the Scan Area for instructions.

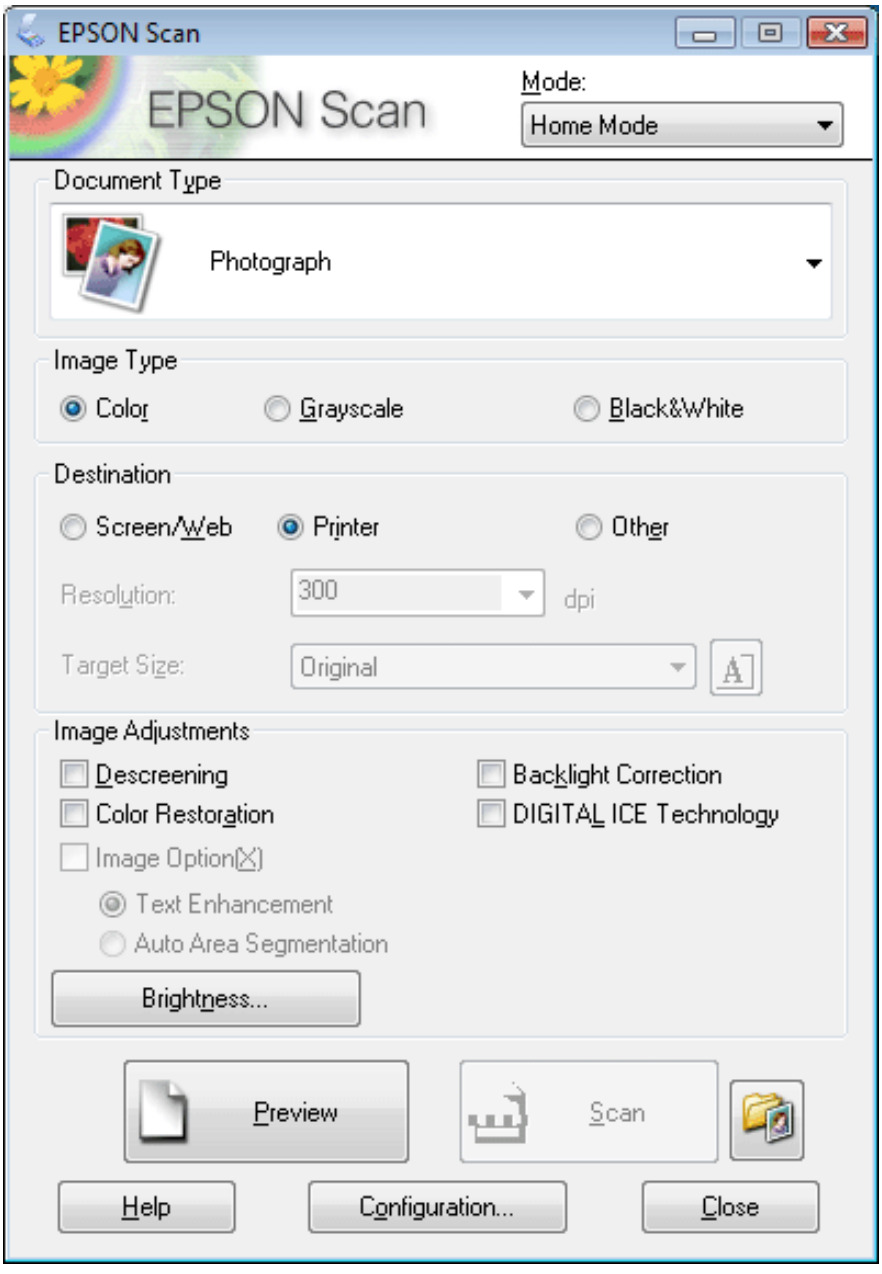
9. Modify the image quality if necessary. See Adjusting the Color and Other Image Settings for instructions.

10. Click **Scan**.

What happens next depends on how you started your scan. See Finishing the Scan for instructions.

Scanning in Home Mode

When you select **Home Mode**, you see the Epson Scan Home Mode window.



1 Place your original(s) on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. Select **Home Mode** in the Mode list. See Changing the Scan Mode for instructions.

4. Click the arrow to open the **Document Type** list, and select the type of your original(s) you are scanning.

5. Select **Color**, **Grayscale**, or **Black&White** as the Image Type setting.

6. In the Destination box, click the button for the way you plan to use the scanned image(s).

 - **Screen/Web** for images you will view only on a computer screen or post on the web.
 - **Printer** for image(s) you will be printing or converting to editable text with an OCR (Optical Character Recognition) program.
 - **Other** if you want to select a specific resolution for other purposes.

 Epson Scan selects a default resolution setting based on the Destination setting you select. If you selected **Other** as the Destination setting to select a specific resolution, see Selecting the Scan Resolution for instructions.

7. Click **Preview** to preview your image(s). The Preview window appears and displays your image(s). See Previewing and Adjusting the Scan Area for instructions.

8. Modify the image quality, if necessary. See Adjusting the Color and Other Image Settings for instructions.

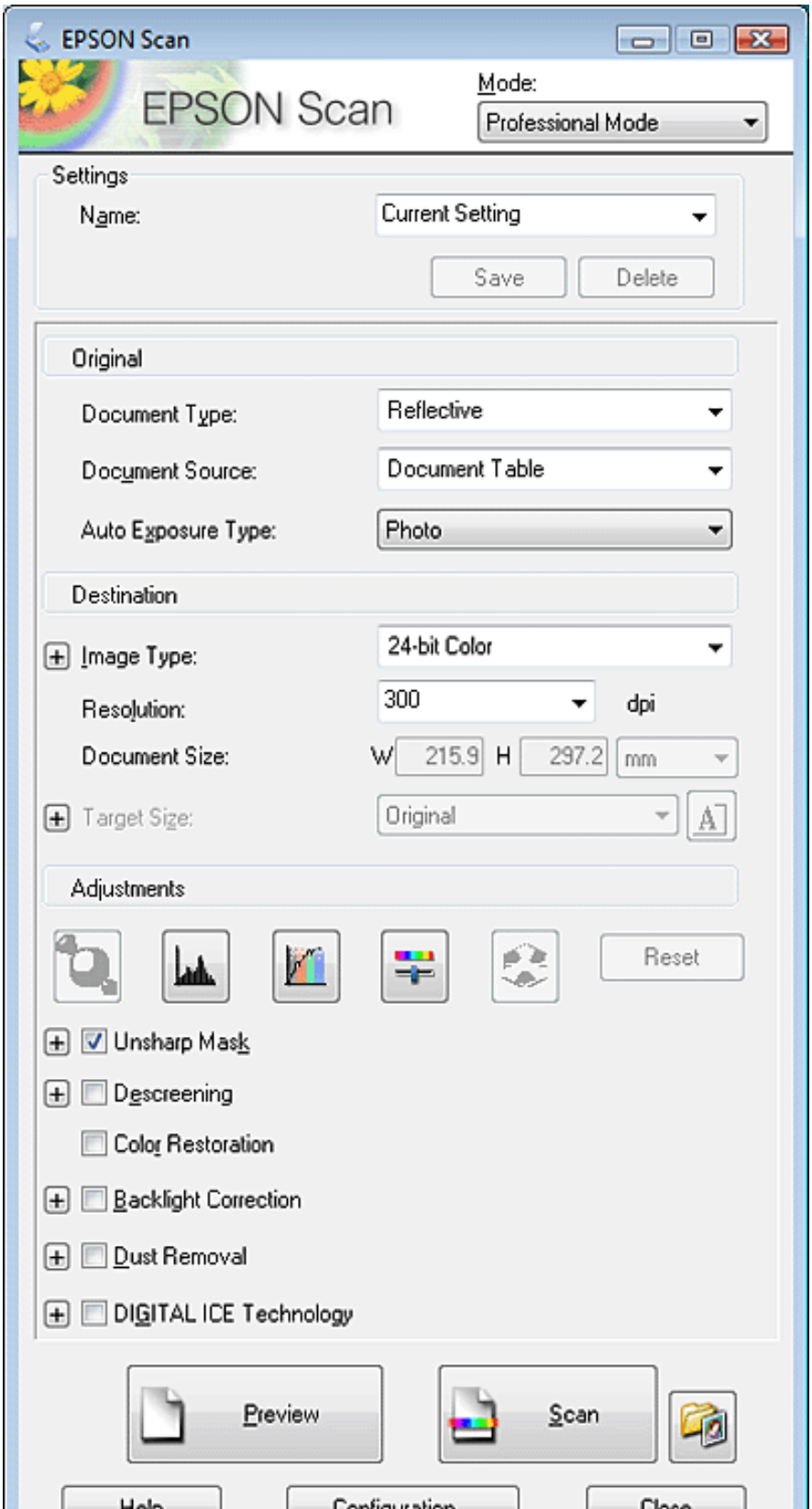
9. Click the arrow to open the **Target Size** list to select the size of the scanned image(s), if necessary. You can scan your images at their original size, or you can reduce or enlarge their size by selecting Target Size. See Selecting the Scan Size for instructions.

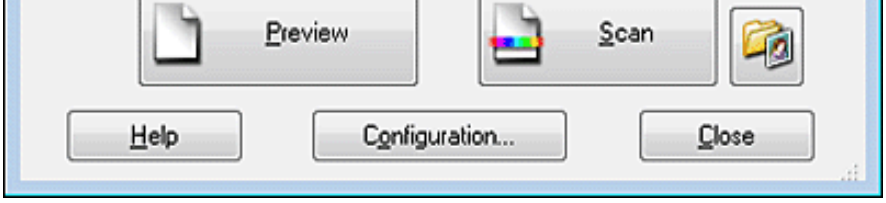
10. Click **Scan**.

What happens next depends on how you started your scan. See Finishing the Scan for instructions.

Scanning in Professional Mode

When you select **Professional Mode**, you see the Epson Scan Professional Mode window.





1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. Select **Professional Mode** in the Mode list. See Changing the Scan Mode for instructions.

4. Click the arrow to open the **Document Type** list and select **Reflective** (for scanning documents or photos) or **Film** (for scanning film or slides).

5. If you selected **Reflective** (for scanning documents or photos) as the Document Type setting, click the arrow in the **Auto Exposure Type** list and select **Photo** or **Document**.

 If you selected **Film** (for scanning film or slides) as the Document Type, click the arrow in the **Film Type** list and select **Positive Film**, **Color Negative Film**, or **B&W Negative Film**.

6. Click the arrow to open the **Image Type** list and select the detailed image type you are scanning.

Image Type setting	Type of image you are scanning
48-bit Color	Color photos that you may want to modify in a 48-bit image-editing program
24-bit Color	Color photos
Color Smoothing	Color graphics, such as a chart or graph
16-bit Grayscale	Black-and-white photos with many shades of gray
8-bit Grayscale	Black-and-white photos with just a few shades of gray
Black & White	Documents with black text and/or line art

Note:

If you select **8-bit Grayscale** or **Black & White**, you can also select an **Image Option** setting, as described below.

Image Option Setting	Description
None	No Image Option setting is applied.
Dropout: Red	Drops out red from the scan.
Dropout: Green	Drops out green from the scan.
Dropout: Blue	Drops out blue from the scan.
Color Enhance: Red	Enhances red in the scan.
Color Enhance: Green	Enhances green in the scan.
Color Enhance: Blue	Enhances blue in the scan.

7. Click the arrow to open the **Resolution** list and select an appropriate resolution for your original(s). See Selecting the Scan Resolution for instructions.

8. Click **Preview** to preview your image(s). The Preview window appears and displays your image(s). See Previewing and Adjusting the Scan Area for instructions on settings in the Preview window.

9. Click the arrow to open the **Target Size** list to select the size you want of the scanned image(s), if necessary. You can scan your images at their original size, or you can reduce or enlarge their size by selecting Target Size. See Selecting the Scan Size for instructions.

10. Modify the image quality, if necessary. See Adjusting the Color and Other Image Settings for instructions.

11. Click **Scan**.

What happens next depends on how you started your scan. See Finishing the Scan for instructions.

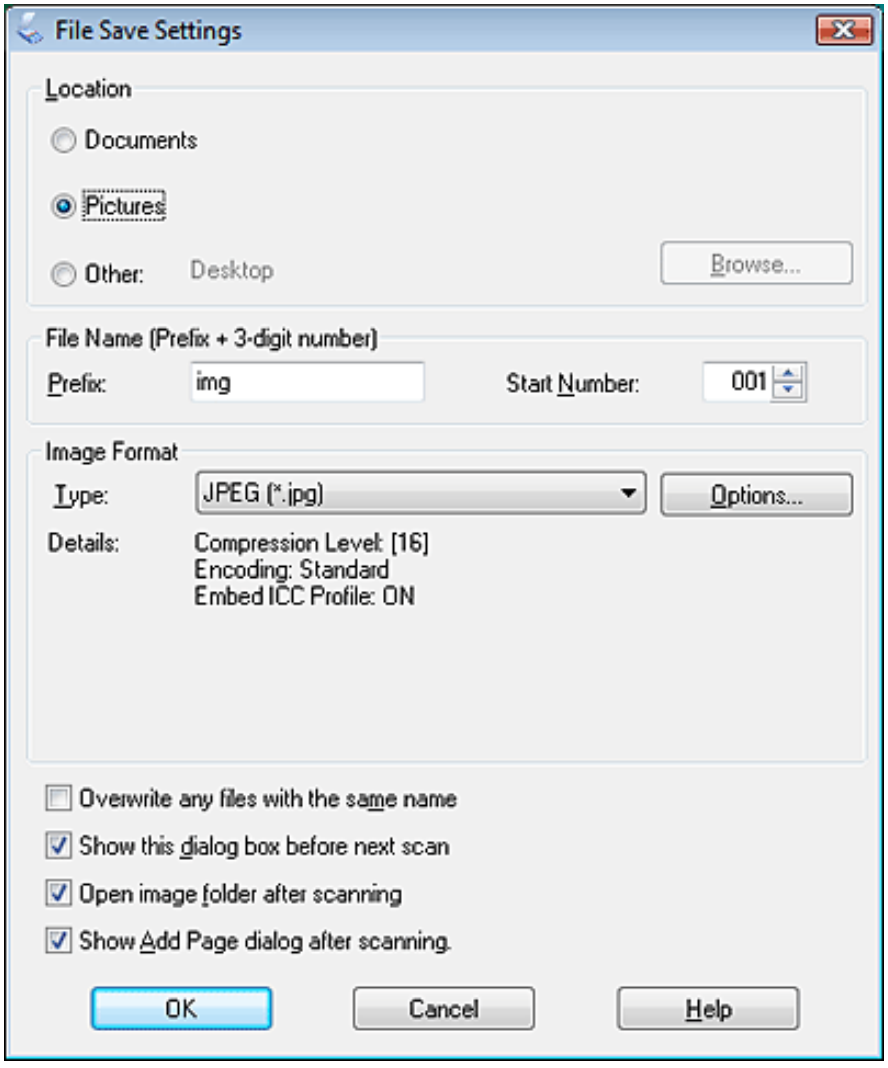
Selecting File Save Settings

When you see the File Save Settings window, you can select the location, name, and format of the scanned image file.

1 **Full Auto Mode:** Click **Customize**, then click **File Save Settings**.

Office Mode, **Home Mode**, or **Professional Mode:** Click the  **File Save Settings** icon to the right of the Scan button.

The File Save Settings window appears.



Note:

If you start Epson Scan from a TWAIN-compliant program, such as Adobe Photoshop Elements, the File Save Settings button or  File Save Settings icon does not appear.

2 In the File Save Settings window, specify the file folder in which you want to save your scanned image.
Click the **Documents** or **Pictures** radio button, or the **My Documents** or **My Pictures** radio button.
If you want to select another folder, click the **Other** radio button, then click **Browse** (Windows) or **Choose** (Mac OS X) and select the folder.
If you want to save your image on the desktop, simply click the **Other** radio button.

3 Specify a file name prefix with an alphanumeric character string. A 3-digit number is automatically added to the file name, but you can change the Start Number if you like. If you are scanning multiple images at once, each image will receive a different 3-digit number.

Note:

The following characters cannot be used in the prefix.
Windows: \, /, :, _, *, ?, ", <, >, |
Mac OS X: :

4 Click the arrow to open the **Type** list and select a file format as described in the following table. Depending on the format, the Options button may be available for making detailed settings.

Format (File Extension)	Description
BITMAP (*.bmp) (Windows only)	A standard image file format for Windows. Most Windows programs, including word processing programs, can read and prepare images in this format.
JPEG (*.jpg)	A compressed file format in which the Compression Level can be selected. The JPEG format lets you highly compress image data. However, the higher the compression, the lower the image quality. Any lost image quality data cannot be restored, and the quality deteriorates each time the data is saved. The TIFF format is recommended when modification and retouching are required.
Multi-TIFF (*.tif)	A TIFF format where multiple pages are saved to the same file. You can also edit the scanned images before saving them. See Epson Scan Help for details. To open Multi-TIFF files, you need a program that supports it.
PDF (*.pdf)	A document format that can be read on both Windows and Mac OS X systems (platform independent). To use PDF documents in Windows, you need Adobe Reader or Acrobat. Multi-page documents can be saved as one PDF file. When you save color or grayscale images in PDF, you can select a Compression Level.
PICT (*.pct) (Mac OS X only)	A standard image file format for Mac OS X. Most Mac OS X programs, including word processing programs, can read and prepare images in this format.
PRINT Image Matching II JPEG (*.jpg) or TIFF (*.tif)	A file format that includes PRINT Image Matching II data for enhanced quality and a wider color range. Print Image Matching II compatible printers can then print this data for brilliant, true-to-life results. (PRINT Image Matching data does not affect the way the image displays on the screen.) Available in JPEG or TIFF format.
TIFF (*.tif)	A file format created for exchanging data between many programs, such as graphic and DTP software. When scanning black & white images, you can specify the Compression type.

5 The check boxes at the bottom of the window give you these options.

- **Overwrite any files with the same name**
 Select this option if you want to reuse the selected file name and location and overwrite previous files with the same names.
- **Show this dialog box before next scan** (Office Mode, Home Mode, or Professional Mode only)
 Select this option if you want the File Save Settings window to appear automatically before you scan. If you

deselect it, you must click the  **File Save Settings** icon to open the window before clicking the **Scan** button.

- **Open image folder after scanning**
 Select this option if you want Windows Explorer or the Mac OS X Finder to automatically open the folder where your scanned image file is saved when Epson Scan finishes scanning.
- **Show Add Page dialog after scanning**
 Select this option if you want the Add Page Confirmation window to appear automatically after each scan in PDF or multi-Tiff. The Add Page Confirmation window includes the **Add page**, **Edit page**, and **Save File** buttons.

6 Click **OK**.

Detailed Setting Instructions

Selecting the Scan Resolution
Previewing and Adjusting the Scan Area
Adjusting the Color and Other Image Settings
Selecting the Scan Size

Selecting the Scan Resolution

You can select a specific Resolution setting for your images. Keep in mind that higher resolution settings increase scanning time, so do not select a higher resolution than you need. See the following table to reference the appropriate resolution setting to use so that you do not have to take more time than necessary.

What you will do with the scanned image	Suggested scan resolution
Send via e-mail, upload to web, or view only on the screen	96 to 150 dpi
Convert to editable text (OCR)	400 dpi
Searchable PDF	200 to 400 dpi
Print using ink jet printer with normal quality	150 dpi (Color or Grayscale) 360 dpi (Black & White)
Print using ink jet printer with high quality	300 dpi (Color or Grayscale) 720 dpi (Black & White)
Print using page printer	200 dpi (Color or Grayscale) 600 dpi (Black & White)
Fax	200 dpi
Enlarge after scanning at 100%	Increase Resolution setting by same amount you will increase image size after scanning. For example, if the resolution is 300 dpi, but you will increase the image size to 200%, change the resolution setting to 600 dpi.

To select the resolution setting, see one of these sections.

Full Auto Mode: Selecting the Resolution in Full Auto Mode

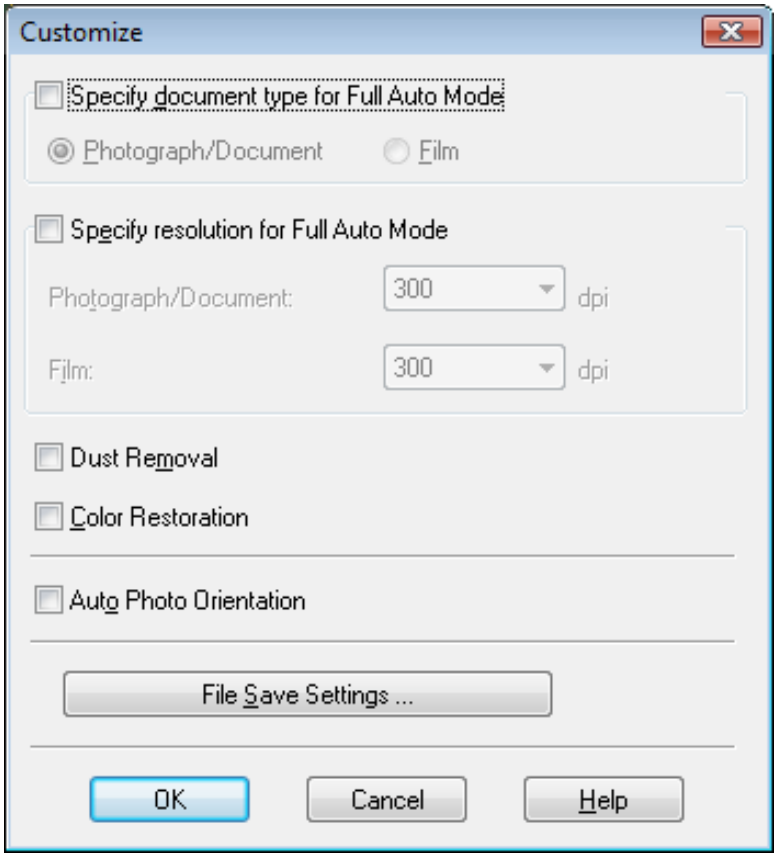
Home Mode: Selecting the Resolution in Home Mode

Office Mode or **Professional Mode:** Selecting the Resolution in Office Mode or Professional Mode

Selecting the Resolution in Full Auto Mode

You can change the resolution you want at any time. Follow these steps to select the resolution setting.

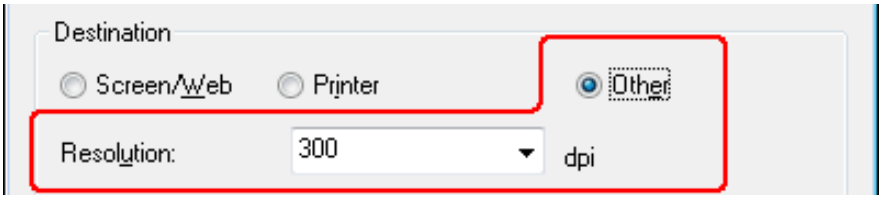
1 In the Full Auto Mode window, click **Customize**. The Customize window appears.



2 Click the **Specify resolution for Full Auto Mode** check box and select the number of dpi (dots per inch) at which you want to scan.

Selecting the Resolution in Home Mode

To change the resolution, first select **Other** as the Destination setting.

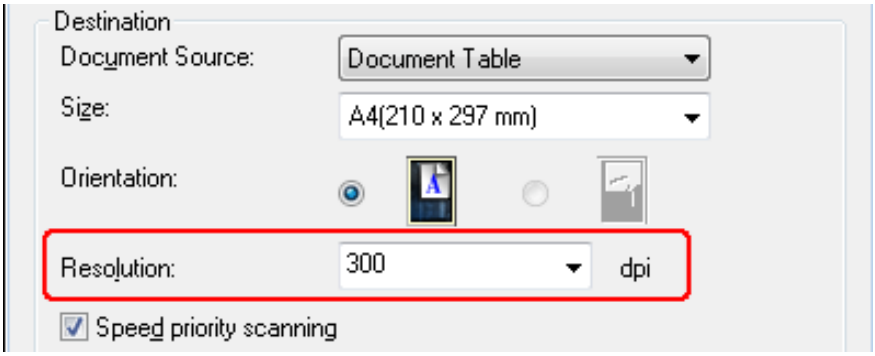


Click the arrow next to the **Resolution** list and select the number of dpi (dots per inch) at which you want to scan.

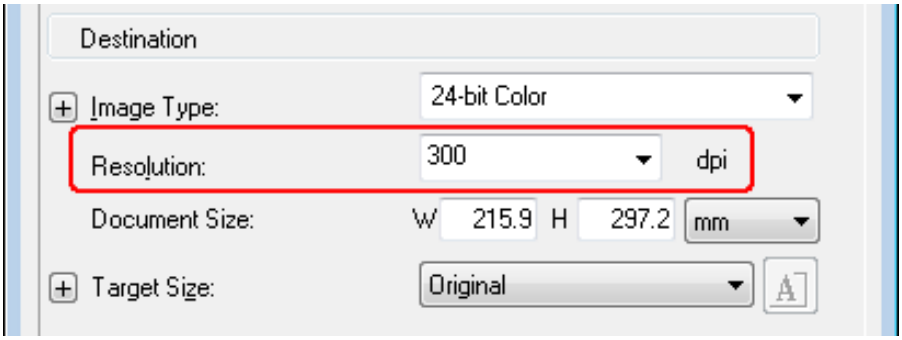
Selecting the Resolution in Office Mode or Professional Mode

You can select the resolution you want at any time.

Office Mode



Professional Mode



Click the arrow next to the **Resolution** list and select the number of dpi (dots per inch) at which you want to scan.

Top

Previewing and Adjusting the Scan Area

Once you have selected your basic settings and resolution, you can preview your image and select or adjust the image area of the image(s) in a Preview window on your screen. There are two types of preview.

- Normal preview displays your previewed image(s) in their entirety. You must select the scan area and make any image quality adjustments manually.
- Thumbnail preview displays your previewed image(s) as thumbnail(s). Epson Scan automatically locates the edges of your scan area, applies automatic exposure settings to the image(s), and rotates the image(s) if necessary.

To preview your image, follow the steps below.

Note:

If you are using Full Auto Mode or Office Mode, the thumbnail preview is not available.

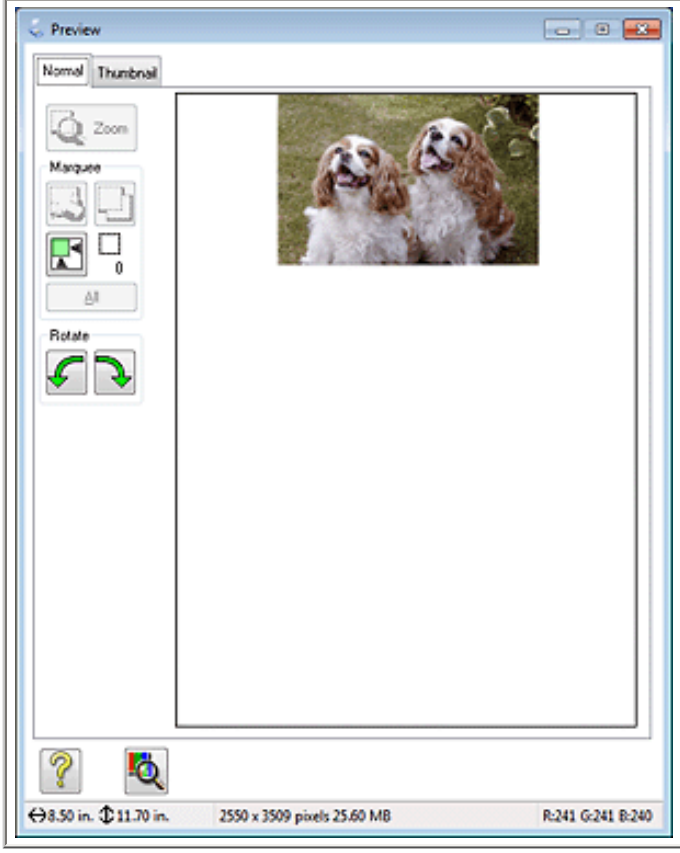
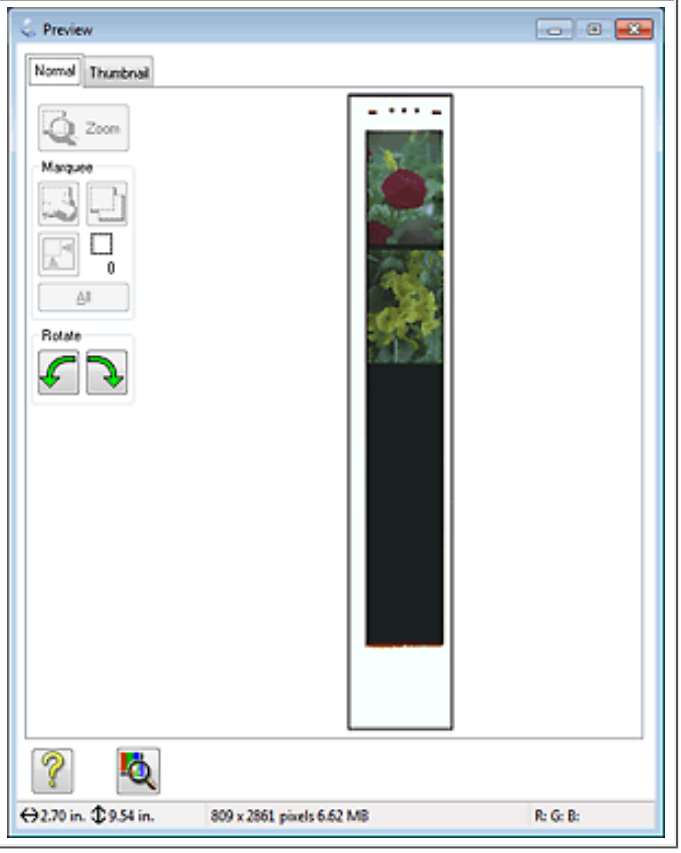
1 Click **Preview**. If you want to change the preview mode, select the **Normal** or **Thumbnail** tab on Preview window if it is available.

Note:

- Depending on your document type and other settings, you may not be able to change the preview type.
- You can resize the Preview window. To resize the Preview window, click and drag the corner of the Preview window.
- If you preview with the Preview dialog not displayed, image(s) will be displayed in the default preview mode. If you preview with the Preview dialog displayed, image(s) will be displayed in the preview mode that was displayed just before previewing.
- Some of the settings that you change after preview will be initialized if you change the Preview mode.

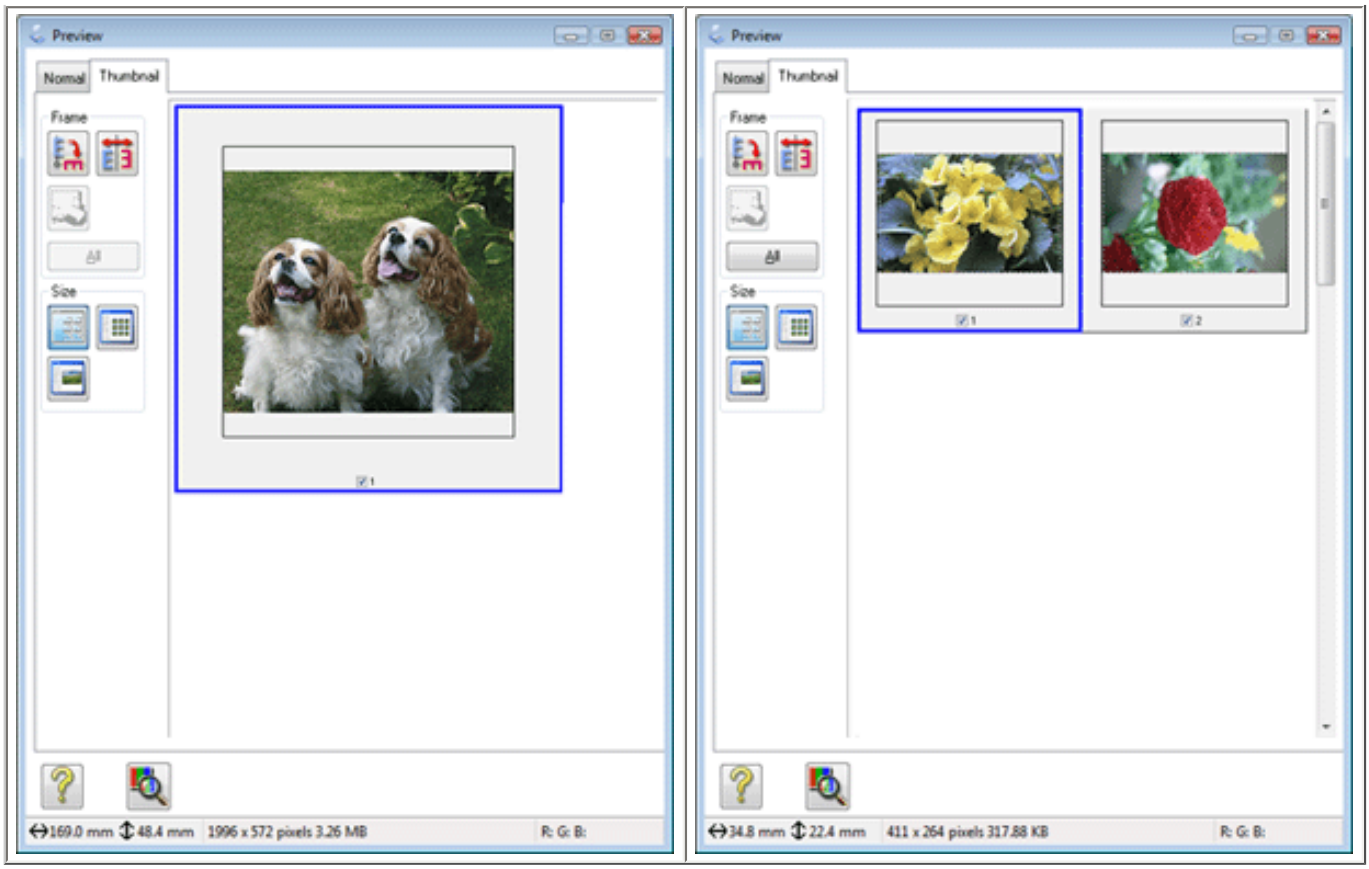
Epson Scan prescans your image(s) and displays them in one of the following Preview windows.

Normal preview

Document	Film
	

Thumbnail preview

Document	Film



2 If you are viewing the normal preview, you can do the following to adjust the image(s).

- To select your scan area, click the auto locate icon to create a marquee that marks the edges of your image area. You can move the marquee to change the scan area. See Creating a Marquee on a Preview Image for instructions.

Note:

> If you are going to scan at a different size than your original, you must first select your **Target Size** and automatically create a marquee that is proportioned to that size. See Selecting the Scan Size for instructions. You can then copy the marquee and place it on each image you will scan at that size.

- To enlarge or reduce the preview image in the Normal preview, resize the Preview window. The image size changes corresponding to the Preview window size.
- To zoom in on an image in the Normal preview, click inside the scan area and click the **Zoom** button.

Note:

> - **Zoom** button changes into **Full** button on Zoom display.
> - **Full** button changes into **Zoom** button on Full display.

- To rotate an image, click the left or right rotate icon.
- To adjust the image quality, click the scan area(s) you want to modify and make the adjustments. See Adjusting the Color and Other Image Settings for instructions.

If you are viewing the thumbnail preview, you can do the following to adjust the image(s).

- To zoom in on an image in the Thumbnail preview, double-click the thumbnail to zoom in.
- You can change the size of thumbnail by using either the Thumbnail <Large>, Thumbnail <Small>, or Full size of 1 frame buttons.
- To rotate an image or flip it horizontally (like a mirror image), click its thumbnail and then click the rotation icon or mirroring icon.

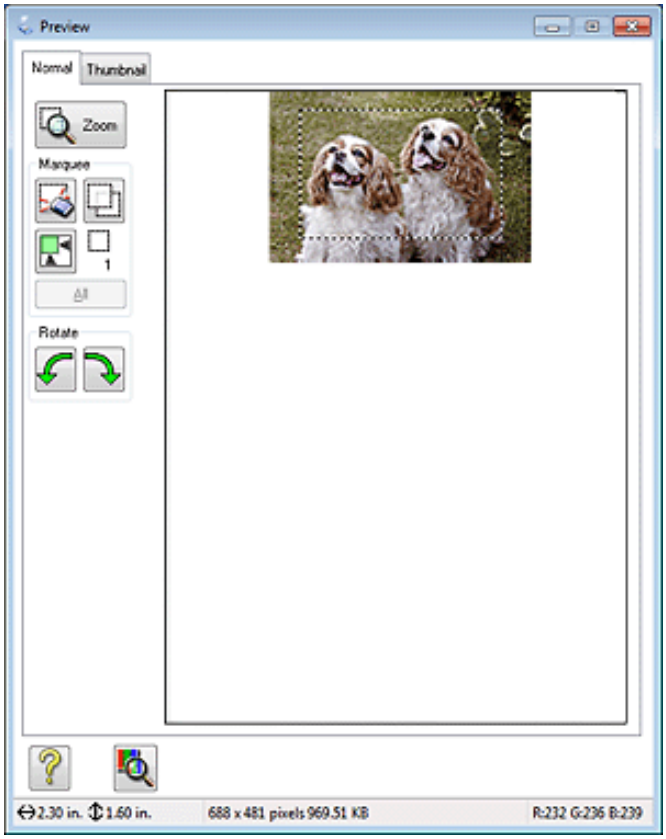
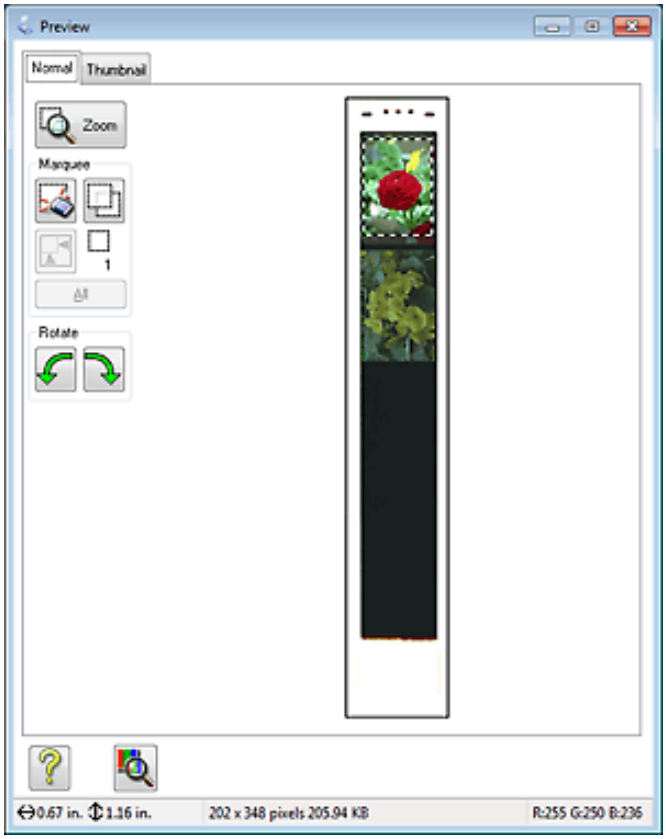
Note:

If your image is not rotated correctly, see Images are Rotated Incorrectly.

- To adjust the scan area to crop your image differently, you can create and move a marquee that marks the edges of your scan. See Creating a Marquee on a Preview Image for instructions.
- To adjust the image quality, click the image(s) or scan area(s) you want to modify and make the adjustments. See Adjusting the Color and Other Image Settings for instructions. If you want to apply the adjustments you have made to all of your images, click **All**.

Creating a Marquee on a Preview Image

A marquee is a moving dotted line that appears on the edges of your preview image to indicate the scan area.

Documents or photos	Film or Slides
	

You can move the marquee and adjust its size. If you are viewing the normal preview, you can create multiple marquees (up to 50) on each image to scan different image areas in separate scan files.

Note for film or slides:

When you use the Thumbnail preview, Epson Scan automatically creates marquees around your image (s) for you. If you need to adjust a marquee, click inside it and click the delete marquee icon before completing the steps in this section. If you do not need to adjust any marquees, skip to Adjusting the Color and Other Image Settings.

1 To draw a marquee, move your cursor over a preview image. The pointer becomes a set of cross-hairs.

Note:

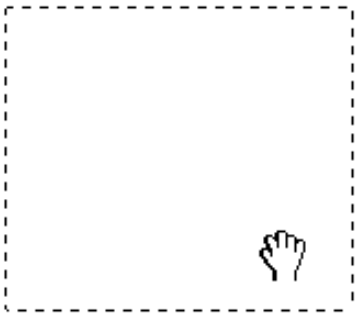
If you are viewing the normal preview and you only have one photo on the document table, you can click the auto locate icon to automatically draw a marquee, then skip to step 3.

2 Position the pointer in the area where you want to place the corner of your marquee and click. Hold down the mouse button and drag the cross-hairs over the image to the opposite corner of the desired scan area. Then release the mouse button. You see the moving dotted line of the marquee.

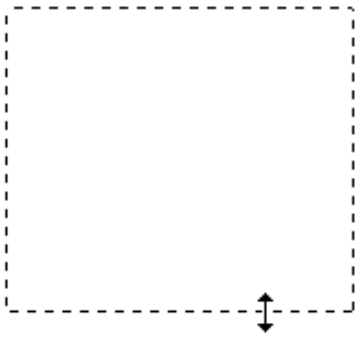


3 Do one of the following to adjust the marquee.

- To move the marquee, position your cursor inside the marquee. The pointer becomes a hand. Click and drag the marquee to the desired location.



- To resize the marquee, position your cursor over the edge or corner of the marquee. The pointer becomes a straight or angled double-arrow. Click and drag the edge or corner to the desired size.



Note:

- To restrict the movement of the marquee to vertical or horizontal only, hold down the **Shift** key as you move the marquee.
- To restrict the size of the marquee to the current proportions, hold down the **Shift** key as you resize the marquee.
- For best results and image exposure, make sure all sides of the marquee are located inside the preview image. Do not include any of the area around the preview image in the marquee.

4 If you are viewing the normal preview, you can create multiple marquees (up to 50). Just draw them as described in steps 1 through 3, or click the copy marquee icon to create additional marquees of the same size. You can move and resize all the marquees as described in step 3. To delete a marquee, click inside it and click the delete marquee icon.

Note:

If you draw multiple marquees, make sure you click **All** in the Preview window before you scan. Otherwise, only the area inside the last marquee you drew will be scanned.

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Adjusting the Color and Other Image Settings

Once you have previewed your image(s) and adjusted the scan area, you can modify the image quality, if necessary. Epson Scan offers a variety of settings for improving color, sharpness, contrast, and other aspects affecting image quality. Before you make adjustments, be sure to click the image or marquee for the area you want to adjust.

To adjust the color and other image settings, see one of these sections.

Office Mode: Making Color Adjustments and Other Image Settings in Office Mode

Home Mode: Making Color Adjustments and Other Image Settings in Home Mode

Professional Mode: Making Color Adjustments and Other Image Settings in Professional Mode

Making Color Adjustments and Other Image Settings in Office Mode



The table below describes the settings available in Office Mode. For details on adjusting these settings, see Epson Scan Help.

Note:

If you are scanning multiple images at the same time and you want to apply the image adjustments to all of your images or scan areas, click **All** in the Preview window before you begin making your adjustments.

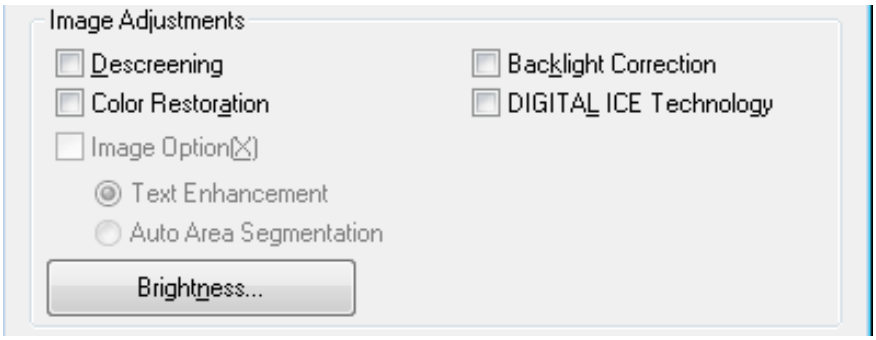
Setting		Description
Unsharp Mask		Turn on to make the edges of image areas clearer for an overall sharper image. Turn off to leave softer edges. This setting is available only when the Image Type is set to Color or Grayscale.
Descreening		Removes the rippled pattern that can appear in subtly-shaded image areas, such as in skin tones. Also improves results when scanning magazine or newspaper images which include screening in their original print processes. This setting is available only when the Image Type is set to Color or Grayscale. The results of descreening do not appear in the preview, only in your scanned image.
Image Option	Text Enhancement	Enhances text recognition when scanning text documents. This setting is available in the following conditions: - when the Image Type is set to Color and Image Option is selected - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected When the Image Type is set to Black&White, the results of Text Enhancement do not appear in the preview, only in your scanned image.
	Auto Area Segmentation	Makes Black&White images clearer and text recognition more accurate by separating the text from the graphics. This setting is available only when the Image Type is set to Black&White and Image Option is selected.
	Dropout	Drops out red, green, or blue in the scan. This setting is available in the following conditions: - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected

	Color Enhance	Enhances red, green, or blue in the scan. This setting is available in the following conditions: - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected
Brightness		Adjusts the overall image lightness and darkness. This setting is available in the following conditions: - when the Image Type is set to Color - when the Image Type is set to Grayscale - when the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected
Contrast		Adjusts the difference between the light and dark areas of the overall image. This setting is available in the following conditions: - when the Image Type is set to Color - when the Image Type is set to Grayscale - when the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected
Threshold		Adjusts the level at which the black areas in text and line art are delineated, improving text recognition in OCR programs. This setting is available in the following conditions: - when the Image Type is set to Black&White, and Image Option is not selected - when the Image Type is set to Black&White, and Image Option and Color Enhance are selected

Note:

- To view the red, green, and blue levels at particular points in your preview image as you make adjustments, click the densitometer icon in the Preview window and move your cursor over an image area. See Epson Scan Help for details.
- Certain settings may not be available, or may be automatically selected, depending on the type of image you are previewing and other settings you have selected.
- You can customize how certain Epson Scan settings behave by clicking **Configuration** and changing settings in the window that appears. See Epson Scan Help for details.
- To undo any image quality adjustments you make to the preview image, click **Reset** if available, turn off the settings, or preview your image again.

Making Color Adjustments and Other Image Settings in Home Mode



The table below describes the settings available in Home Mode. For details on adjusting these settings, see Epson Scan Help.

Note:

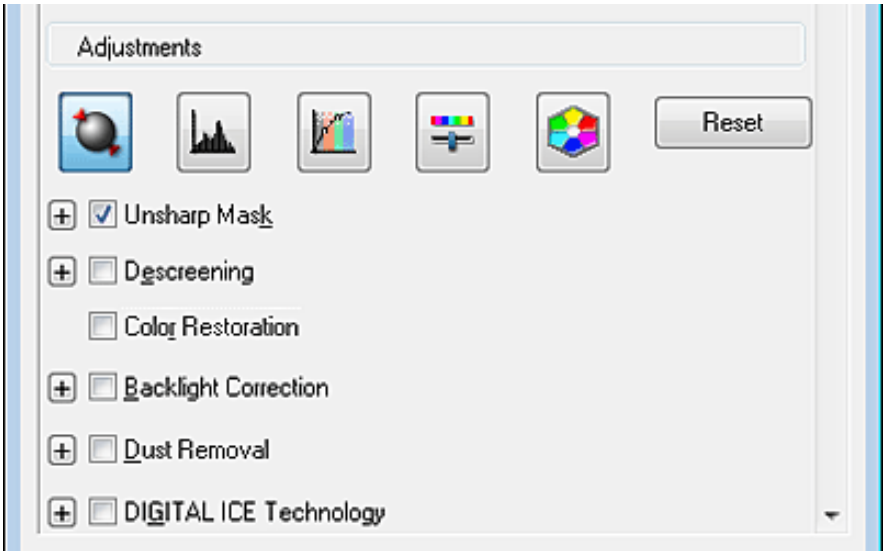
If you are scanning multiple images at the same time and you want to apply the image adjustments to all of your images or scan areas, click **All** in the Preview window before you begin making your adjustments.

Setting		Description
Descreening		Removes the rippled pattern that can appear in subtly-shaded image areas, such as in skin tones. Also improves results when scanning magazine or newspaper images which include screening in their original print processes. This setting is available in the following conditions: - when the Image Type is set to Color - when the Image Type is set to Grayscale The results of descreening do not appear in the preview, only in your scanned image.
Backlight Correction		Removes shadows from photos that have too much background light. This setting is available in the following conditions: - when you select Photograph as the Document Type setting and Image Type is set to Color - when you select Photograph as the Document Type setting and Image Type is set to Grayscale
Color Restoration		Restores the colors in faded photos automatically. This setting is available in the following conditions: - when you select Photograph as the Document Type setting, and Image Type is set to Color - when you select Photograph as the Document Type setting, and Image Type is set to Grayscale
DIGITAL ICE Technology		Remove dust marks that the Dust Removal feature cannot. DIGITAL ICE Technology takes longer to scan and also uses more of your system resources. This setting is available in the following conditions: - when you select Photograph as the Document Type and Image Type is set to Color or Grayscale with the Show Texture check box in the Configuration window cleared - when you select Positive Film as the Document Type and Image Type is set to Color or Grayscale - when you select Color Negative Film as the Document Type and Image Type is set to Color or Grayscale - when you select B&W Negative Film as the Document Type and Image Type is set to Color or Grayscale
Image Option	Text Enhancement	Enhances text recognition when scanning text documents. This setting is available in the following conditions: - when you select Magazine as the Document Type setting and Image Option is selected - when you select Newspaper as the Document Type setting and Image Option is selected - when you select Text/Line Art as the Document Type setting and Image Option is selected
	Auto Area Segmentation	Makes Black&White images clearer and text recognition more accurate by separating the text from the graphics. This setting is available in the following conditions: - when you select Magazine as the Document Type, the Image Type is set to Black&White, and Image Option is selected - when you select Newspaper as the Document Type, the Image Type is set to Black&White, and Image Option is selected - when you select Text/Line Art as the Document Type, the Image Type is set to Black&White, and Image Option is selected

Brightness	Adjusts the overall image lightness and darkness. This setting is available in the following conditions: - when the Image Type is set to Color - when the Image Type is set to Grayscale - when you select Magazine as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected - when you select Newspaper as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected - when you select Text/Line Art as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected Click **Brightness** to access the Brightness setting.
Contrast	Adjusts the difference between the light and dark areas of the overall image. This setting is available in the following conditions: - when the Image Type is set to Color - when the Image Type is set to Grayscale - when you select Magazine as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected - when you select Newspaper as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected - when you select Text/Line Art as the Document Type setting, the Image Type is set to Black&White, and Image Option and Auto Area Segmentation are selected Click **Brightness** to access the Contrast setting.
Threshold	Adjusts the level at which the black areas in text and line art are delineated, improving text recognition in OCR programs. Available only when the Image Type is set to Black&White, and Image Option is not selected. Click **Brightness** to access the Threshold setting.

Note:

- To view the red, green, and blue levels at particular points in your preview image as you make adjustments, click the densitometer icon in the Preview window and move your cursor over an image area. See Epson Scan Help for details.
- Certain settings may not be available, or may be automatically selected, depending on the type of image you are previewing and other settings you have selected.
- You can customize how certain Epson Scan settings behave by clicking **Configuration** and changing settings in the window that appears. See Epson Scan Help for details.
- To undo any image quality adjustments you make to the preview image, click **Reset** if available, turn off the settings, or preview your image again.



The table below describes the settings available in Professional Mode. For details on adjusting these settings, see Epson Scan Help.

Note:

- You may need to scroll down to view the Adjustments area of the Professional Mode window.
- If you are scanning multiple images at the same time and you want to apply the image adjustments to all of your images or scan areas, click **All** in the Preview window before you begin making your adjustments.

Setting	Description
Auto Exposure	Click the Auto Exposure icon. To turn it on continuously, click **Configuration**, click the **Color** tab and select **Continuous auto exposure**. You can adjust the level of exposure adjustment using the slider.
Histogram	Provides a graphical interface for adjusting highlight, shadow, and gamma levels individually. For advanced users only. Click the Histogram Adjustment icon to access the Histogram setting.
Tone Correction	Provides a graphical interface for adjusting tone levels individually. For advanced users only. Click the Tone Correction icon to access the Tone Correction setting.
Brightness	Adjusts the overall image lightness and darkness. Click the Image Adjustment icon to access the Brightness setting.
Contrast	Adjusts the difference between the light and dark areas of the overall image. Click the Image Adjustment icon to access the Contrast setting.
Saturation	Adjusts the density of colors in the overall image. Click the Image Adjustment icon to access the Saturation setting.
Color Balance	Adjusts the balance of red, green, and blue colors in the overall image. Click the Image Adjustment icon to access the Color Balance settings.

Color Palette	Provides a graphical interface for adjusting mid-tone levels, such as skin tones, without affecting the highlight and shadow areas of the image. For advanced users only. See Using the Color Palette Feature (for Professional Mode Only) for more information. Click the  Color Palette icon to use the Color Palette settings.
Unsharp Mask	Turn on to make the edges of image areas clearer for an overall sharper image. The level of sharpness is adjustable. Turn off to leave softer edges. This setting is available in the following conditions: - when the Image Type is set to 48-bit Color - when the Image Type is set to 24-bit Color - when the Image Type is set to 16-bit Grayscale - when the Image Type is set to 8-bit Grayscale
Descreening	Removes the rippled pattern that can appear in subtly shaded image areas, such as skin tones. Also improves results when scanning magazine or newspaper images that include screening in their original print processes. The results of descreening do not appear in the preview, only in your scanned image. The level of descreening is adjustable. This setting is available in the following conditions: - when the Image Type is set to 48-bit Color - when the Image Type is set to 24-bit Color - when the Image Type is set to Color Smoothing - when the Image Type is set to 16-bit Grayscale - when the Image Type is set to 8-bit Grayscale
Color Restoration	Restores the colors in faded photos automatically. This setting is available in the following conditions: - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 48-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 24-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 16-bit Grayscale - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 8-bit Grayscale
Backlight Correction	Removes shadows from photos that have too much background light. The level of backlight correction is adjustable. This setting is available in the following conditions: - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 48-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 24-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 16-bit Grayscale - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 8-bit Grayscale
Dust Removal	Removes dust marks from your originals automatically. The results of Dust Removal do not appear in the preview, only in your scanned image. The level of dust removal is adjustable. This setting is available in the following conditions: - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 48-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 24-bit Color - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 16-bit Grayscale - when you select Photo as the Auto Exposure Type setting and the Image Type is set to 8-bit Grayscale
Digital ICE Technology	Remove dust marks that the Dust Removal feature cannot. DIGITAL ICE Technology takes longer to scan and also uses more of your system resources. This setting is available in the following conditions: - when you select Reflective as the Document Type and Auto Exposure Type is set to Photo with the Show Texture check box in the Configuration window cleared - when you select Film as the Document Type

Threshold	Adjusts the level at which the black areas in text and line art are delineated, improving text recognition in OCR programs. Available only when you select Black & White as the Image Type setting.

Note:

- To view red, green, and blue levels at particular points in your preview image as you make adjustments, click the densitometer icon in the Preview window and move your cursor over an image area. See Epson Scan Help for details.
- Certain settings may not be available, or may be automatically selected, depending on the type of image you are previewing and other settings you have selected.
- You can customize how certain Epson Scan settings behave by clicking **Configuration** and changing settings in the window that appears. See Epson Scan Help for details.
- To undo any image quality adjustments you make to the preview image, click **Reset** if available, turn off the setting, or preview your image again.

Top

Selecting the Scan Size

You can scan your images at their original size, or you can reduce or enlarge their size as you scan them. You do this using the **Target Size** setting.

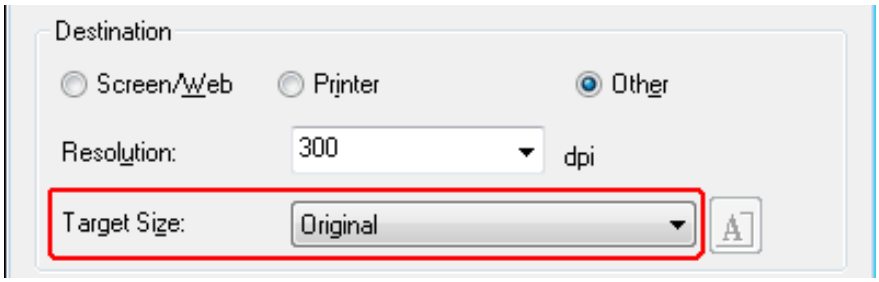
If you are going to scan your image to a specific size, you should select the **Target Size** setting after previewing it, but before adjusting your scan area indicated by creating a marquee. This sets the scan area to correct proportions so your image will not be cropped unexpectedly.

To select the scan size, see one of these sections.

Home Mode: Selecting the Scan Size in Home Mode

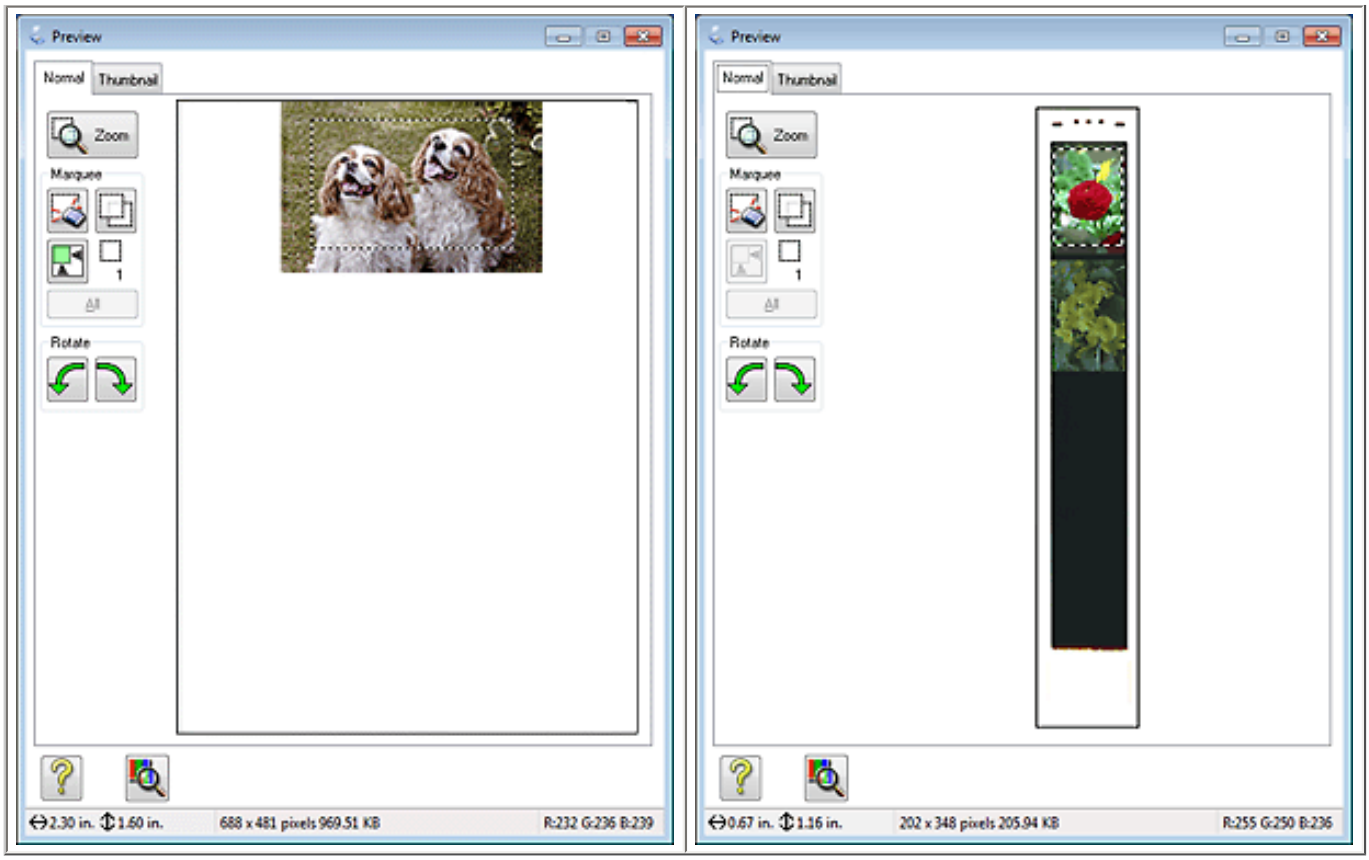
Professional Mode: Selecting the Scan Size in Professional Mode

Selecting the Scan Size in Home Mode

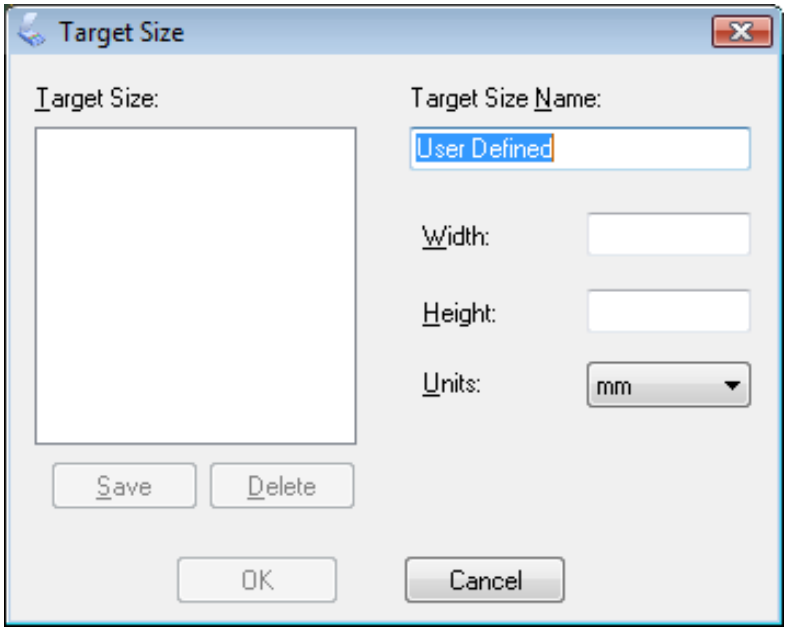


1 You can select a predefined scan size from the **Target Size** list. Click the arrow to open the list and select the size you want. A marquee (dotted line) proportioned for that size appears on your preview image.

Documents or photos	Film or Slides



2 If you need to create a scan size that is not in the Target Size list, you can create a custom size. Click the arrow to open the list and select **Customize**. You see the Target Size window.



3 Type a name for your custom size, enter the size, click **Save**, then click **OK**. Your new size appears in the Target Size list.

4 Once you have selected your scan size, you can click and drag the marquee to the area in the image you want to scan. For details, see Creating a Marquee on a Preview Image. The marquee proportions are retained as you adjust it.

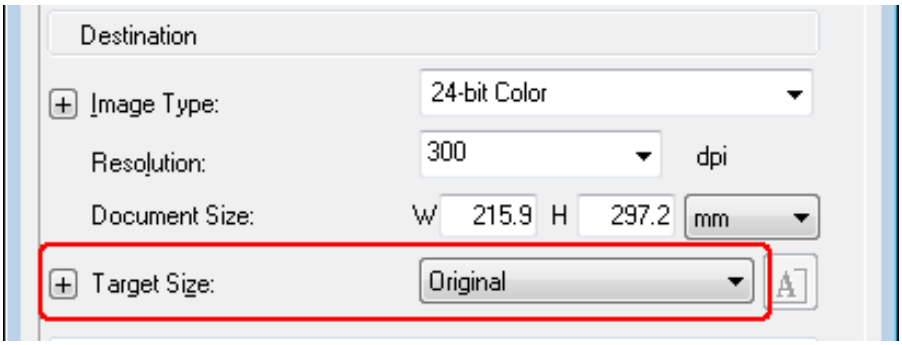
If you need to rotate the marquee for a landscape or portrait image without changing its aspect ratio, click the

orientation icon.

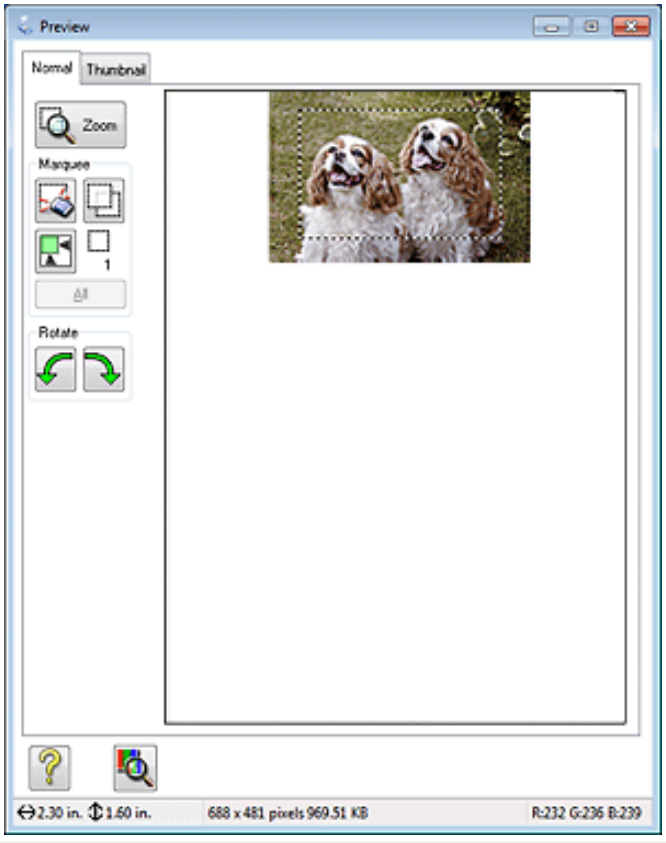
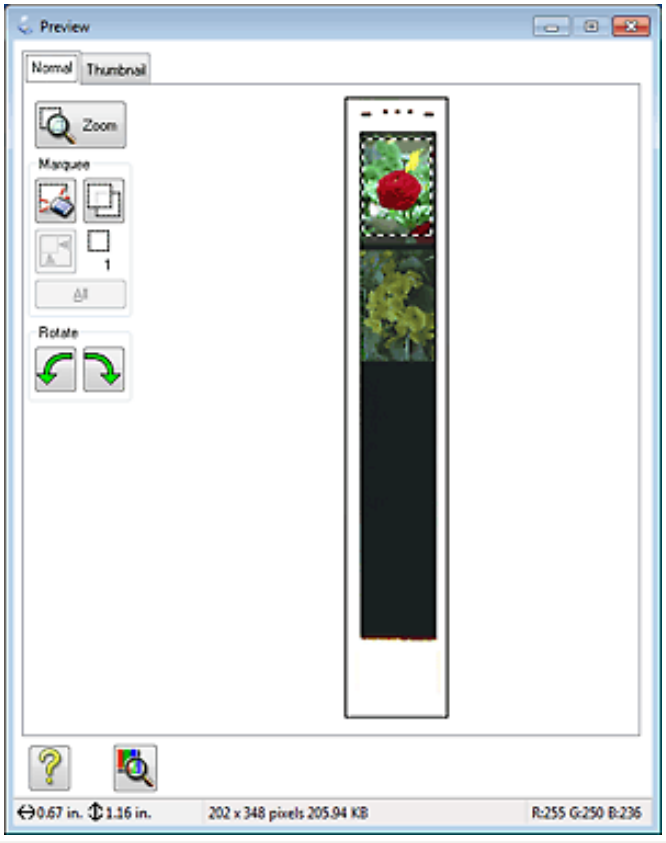
Note:

The orientation icon is not available if you selected **Original** as the Target Size setting.

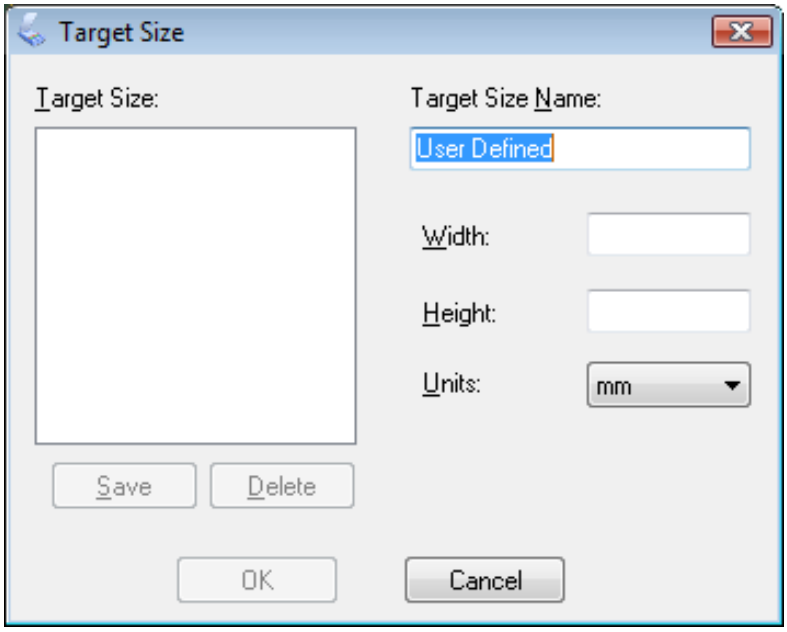
Selecting the Scan Size in Professional Mode



1 You can select a predefined scan size from the Target Size list. Click the arrow to open the list and select the size you want. A marquee (dotted line) proportioned for that size appears on your preview image.

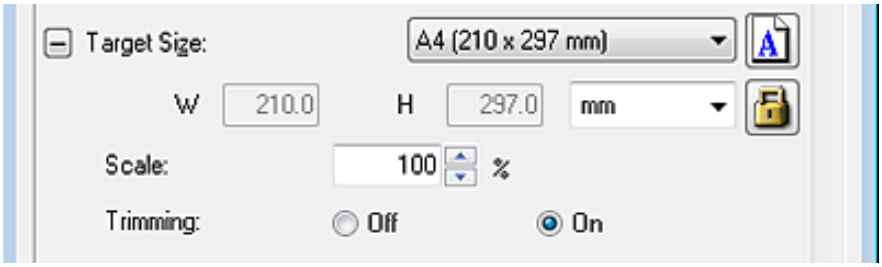
Documents or photos	Film or Slides
	

2 If you need to create a scan size that is not in the Target Size list, you can create a custom size. Click the arrow to open the list and select **Customize**. You see the Target Size window.



3 Type a name for your custom size, enter the size, click **Save**, then click **OK**. Your new size appears in the Target Size list.

4 You can fine-tune the size using additional tools. Click the **+** (Windows) or ▶ (Mac OS X) button next to **Target Size** to display these tools.



- To size your image by a certain percentage, adjust the **Scale** value.
- To change the way your image is cropped, turn **Trimming** on or off. See Epson Scan Help for details.
- To unlock the proportions of your scan size, click the lock icon. Then adjust the marquee or enter new width/height measurements.

5 Once you have selected your scan size, you can click and drag the marquee to the area in the image you want to scan. For details, see Creating a Marquee on a Preview Image. The marquee proportions are retained as you adjust it.

If you want to rotate the marquee for a landscape or portrait image without changing its aspect ratio, click the orientation icon.

Note:

The orientation icon is not available if you selected **Original** as the Target Size setting.

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Finishing the Scan

What happens after you scan depends on how you started your scan.

Full Auto Mode:

- If you started your scan by running Epson Scan from the Epson Scan icon, your scanned image is saved in the file format and location you selected in the File Save Settings window. If you did not select any settings in the File Save Settings window, it is saved as a JPEG file in Pictures or My Pictures.
- If you started your scan from a TWAIN-compliant program such as Adobe Photoshop Elements, your scanned image opens in the program window. If Epson Scan does not automatically close after scanning, click **Close** to exit the Epson Scan window and view your image in the program window.

Office Mode, **Home Mode**, or **Professional Mode:**

- If you started your scan by running Epson Scan from the Epson Scan icon or by pressing the Start button on the scanner, you see the File Save Settings window. This lets you select the name and location of your saved scan files. See Selecting File Save Settings for details. After you select these settings, Epson Scan starts scanning.
- If you started your scan from a TWAIN-compliant program such as Adobe Photoshop Elements, your scanned image(s) opens in the program window. If Epson Scan does not automatically close after scanning, click **Close** to exit the Epson Scan window and view your image(s) in the program.

Restoring Color

Color Restoration in Full Auto Mode
Color Restoration in Home Mode
Color Restoration in Professional Mode
Using the Color Palette Feature (for Professional Mode Only)

Using the **Color Restoration** feature in Epson Scan, you can transform old, faded, or badly exposed photos into ones with true-to-life color and sharpness. You can restore printed photos, film, or slides automatically as you scan them.

Original image	Color Restoration applied
	

See one of these sections for instructions on restoring colors.

Full Auto Mode: Color Restoration in Full Auto Mode

Office Mode: This feature is not available in Office Mode. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

Home Mode: Color Restoration in Home Mode

Professional Mode: Color Restoration in Professional Mode

Color Restoration in Full Auto Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

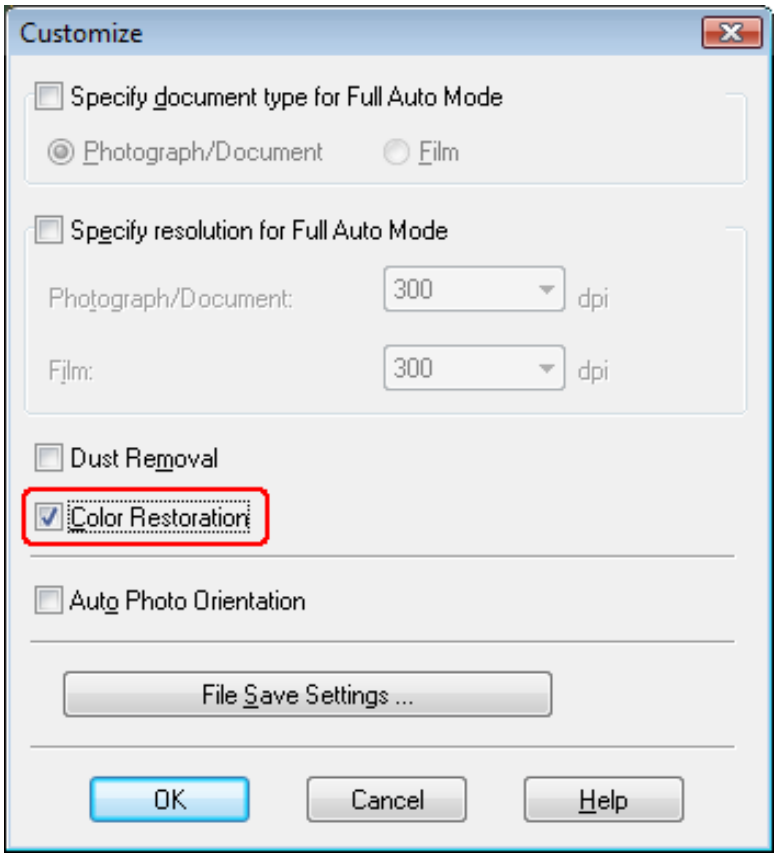
 Note for film or slides:

 You can scan only 35 mm color film strip or color positive slides in Full Auto Mode. To scan other types of film, use Home Mode or Professional Mode. To change the scan mode, see Changing the Scan Mode.

2. Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Full Auto Mode window, click **Customize**. The Customize window appears.

4 Click the **Color Restoration** check box.



5 If you want to select the file save settings, click **File Save Settings**. See Selecting File Save Settings for instructions.

Note:

If you started Epson Scan from a TWAIN-compliant program like Adobe Photoshop Elements, the File Save Settings button does not appear.

6 When you finish making all the necessary settings, click **OK** to return to the Full Auto Mode window.

7 Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

Color Restoration in Home Mode

1 Place your original(s) on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

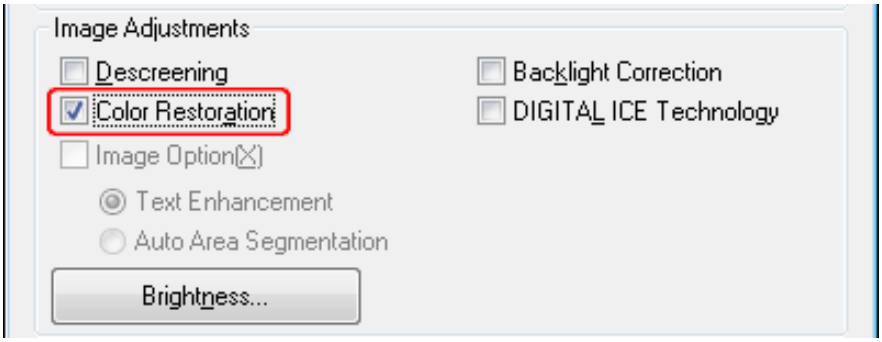
Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. In the Home Mode window, select the **Document Type**, **Image Type**, and **Destination** settings. For details, see Scanning in Home Mode.

4. Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5. Click the **Color Restoration** check box.



Note:

If you are scanning multiple images at the same time and you want to apply the Color Restoration feature to all of your images or scan areas, click **All** in the Preview window before you click the check box.

6. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7. Size your image(s) as necessary. See Selecting the Scan Size for details.

8. Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

Color Restoration in Professional Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

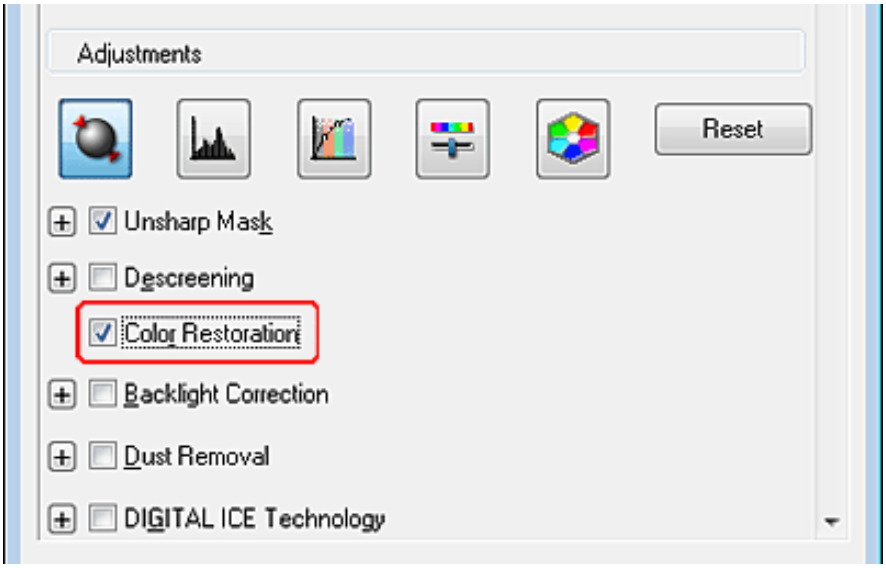
Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Professional Mode window, select the **Document Type**, **Document Source**, **Auto Exposure Type** (for scanning documents or photos) or **Film Type** (for scanning film or slides), **Image Type**, and **Resolution** settings. For details, see Scanning in Professional Mode.

4 Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5 Scroll down to the Adjustments area and click the **Color Restoration** check box.



Note:

If you are scanning multiple images at the same time and you want to apply the Color Restoration feature to all of your images or scan areas, click **All** in the Preview window before you click the check box.

6 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7 If you want to make more precise color adjustments, click the  Color Palette icon. See Using the Color Palette Feature (for Professional Mode Only) for instructions.

8 Size your image(s) as necessary. See Selecting the Scan Size for details.

9 Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

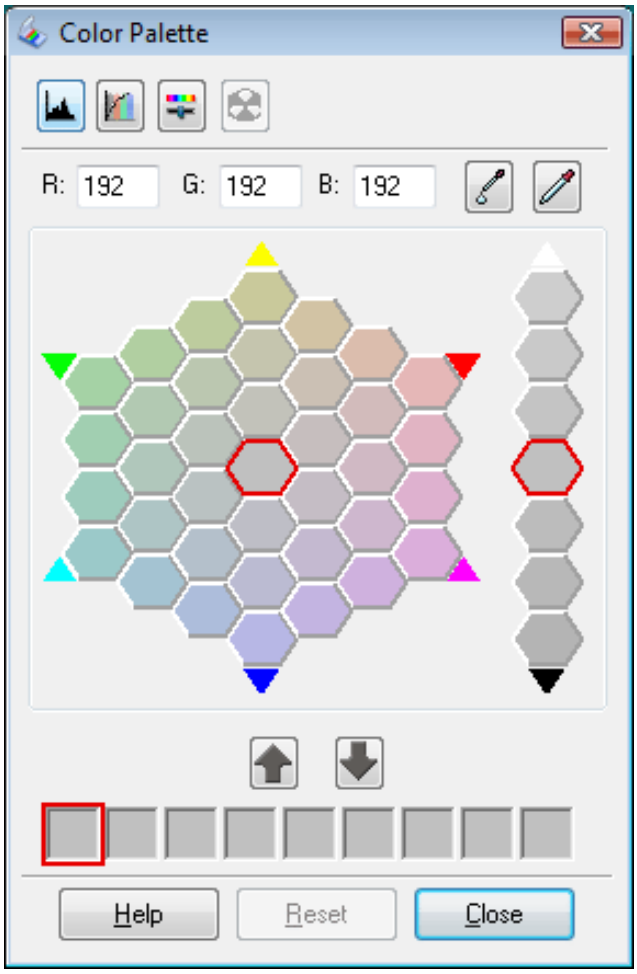
Using the Color Palette Feature (for Professional Mode Only)

Follow the steps in these sections to fine-tune the colors in your image using the Color Palette feature in Professional Mode.

This feature is available only after previewing your images, so make sure to click **Preview** to activate this feature.

Sampling a Color from an Image

1 Click the Color Palette icon.



2 Click the color extractor icon. Your cursor changes to an eye dropper.

3 In the Preview window, click on the color in your image that needs adjustment.

The color you selected is moved to the center cell in the Color Palette window with variations in hue in the surrounding cells.

4 Select the cell that contains the hue you would like to use to adjust the color in your image. This color now becomes the color of the center cell and the color change is reflected in your image.

Note:

You can also use the cells to the right of the adjustment area to change the brightness, if necessary.

5 If you want to continue adjusting the color, repeat step 4.

If you want to save the color for future scans, click the save icon. The color appears in the save area.

Note:

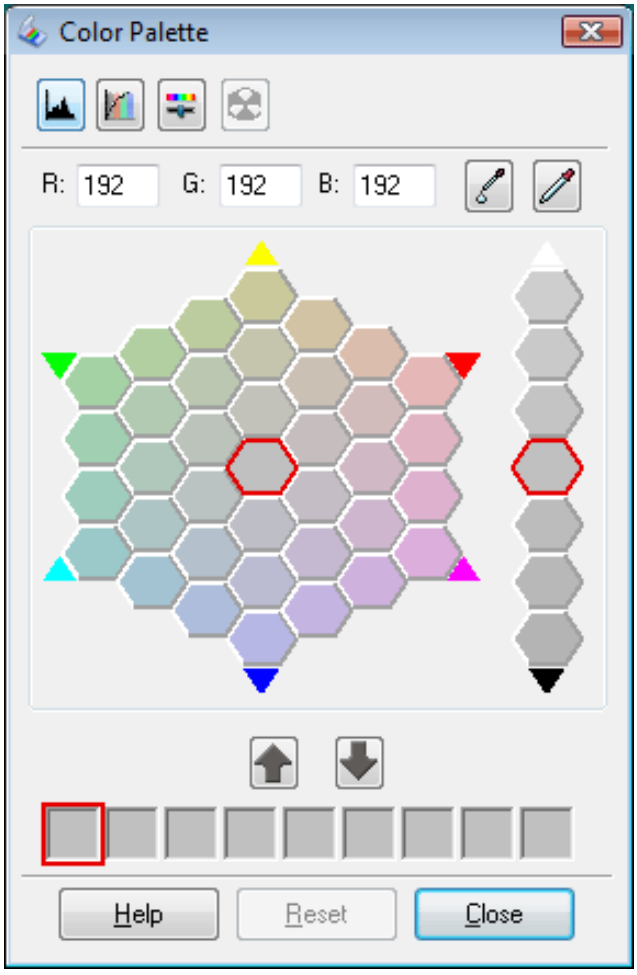
To load a previously saved color, select the color and click the apply to palette icon.

6 When you are finished adjusting the color, click **Close** to return to the Professional Mode window.

For further details on using the Color Palette feature, see Epson Scan Help.

Applying a Color to an Image

1 Click the Color Palette icon.



2 Select the cell that contains the hue you would like to use to adjust the color in your image. This color now becomes the color of the center cell.

Note:

You can also use the cells to the right of the adjustment area to change the brightness, if necessary.

3 Click the  color applicator icon. Your cursor changes to a droplet.

4 In the Preview window, click on the color in your image that needs adjustment. The color change is reflected in your image.

5 If you want to continue adjusting the color, repeat steps 2 through 4.

If you want to save the color for future scans, click the  save icon. The color appears in the save area.

Note:

To load a previously saved color, select the color and click the  apply to palette icon.

6 When you are finished adjusting the color, click **Close** to return to the Professional Mode window.

For further details on using the Color Palette feature, see Epson Scan Help.

Top

Removing Dust Marks with the Dust Removal Feature

Dust Removal in Full Auto Mode
Dust Removal in Professional Mode

Using the **Dust Removal** feature in Epson Scan, you can virtually “clean” the dust marks from your originals as you scan them.

Before scanning your originals, carefully remove any dust that you can see on them.

Original image	Dust Removal applied
	

Note:

- Before scanning your originals, carefully remove any dust that you can see on them.
- Do not use Dust Removal to scan your originals that do not contain dust or scratch marks; otherwise your scanned image may be distorted or blurred.
- When you scan film or slides, the Dust Removal feature is available for Full Auto Mode or Professional Mode only (it is not available for Home or Office Mode). To remove dust marks from color film or slides in Home Mode, use the DIGITAL ICE Technology feature as described in Removing Dust and Scratch Marks from Originals Using DIGITAL ICE Technology.
- If you still have dust marks on color film or slides after using the Dust Removal feature, try scanning it again using DIGITAL ICE Technology as described in Removing Dust and Scratch Marks from Originals Using DIGITAL ICE Technology.
- This feature is not available if the **DIGITAL ICE Technology** check box is selected.

See one of these sections for instructions on removing dust marks from your original(s).

Full Auto Mode: Dust Removal in Full Auto Mode

Office Mode: This feature is not available in Office Mode. Change the scan mode to Full Auto Mode or Professional Mode. See Changing the Scan Mode for instructions.

Home Mode: This feature is not available in Home Mode. Change the scan mode to Full Auto Mode or Professional Mode. See Changing the Scan Mode for instructions.

Professional Mode: Dust Removal in Professional Mode

Dust Removal in Full Auto Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

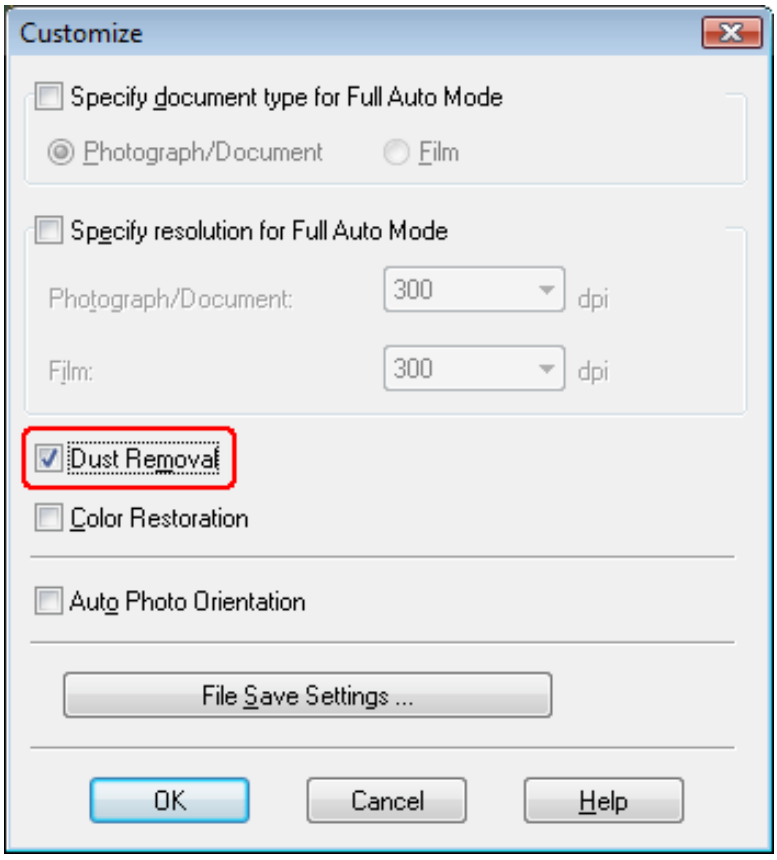
 Note for film or slides:

 You can only scan 35 mm color film strip or color positive slides in Full Auto Mode. To scan other types of film, use Home Mode or Professional Mode. To change the scan mode, see Changing the Scan Mode.

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. In the Full Auto Mode window, click **Customize**. The Customize window appears.

4. Click the **Dust Removal** check box.



5. If you want to select the file save settings, click **File Save Settings**. See Selecting File Save Settings for instructions.

 Note:

 If you started Epson Scan from a TWAIN-compliant program like Adobe Photoshop Elements, the File Save Settings button does not appear.

6 When you finish making all the necessary settings, click **OK** to return to the Full Auto Mode window.

7 Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

Dust Removal in Professional Mode

1 Place your original(s) on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

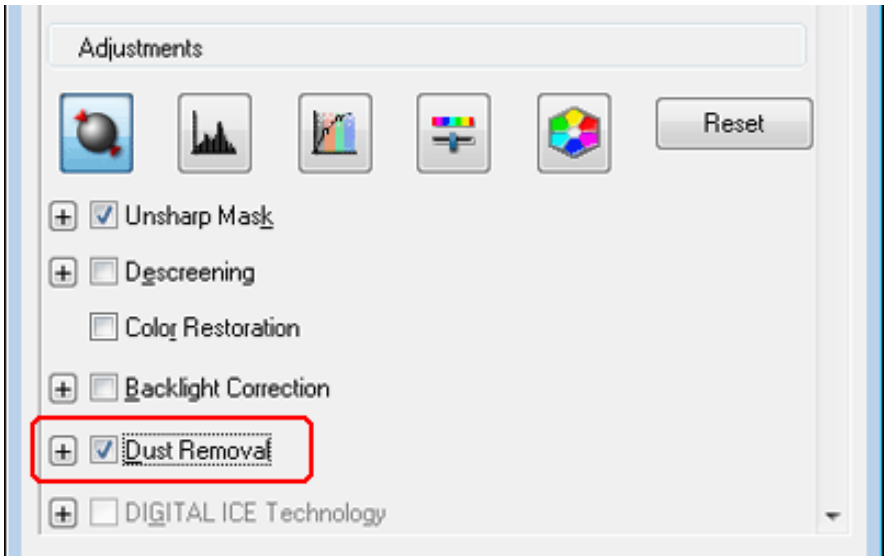
Film or slides: Placing Film or Slides

2 Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Professional Mode window, select the **Document Type**, **Document Source**, **Auto Exposure Type** (for scanning documents or photos) or **Film Type** (for scanning film or slides), **Image Type**, and **Resolution** settings. For details, see Scanning in Professional Mode.

4 Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5 Scroll down to the Adjustments area and click the **Dust Removal** check box. If you want to increase or decrease the level of the dust removal effect, click the **+** (Windows) or ▶ (Mac OS X) button next to the option and select a setting in the **Level** list.



Note:

- The result of the Dust Removal does not appear in the image(s) in the Preview window.
- If you are scanning multiple images at the same time and you want to apply the Dust Removal feature to all of your images or scan areas, click **All** in the Preview window before you click the check box.
- This feature is not available if **DIGITAL ICE Technology** check box is selected.

6 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for instructions.

7 Size your image(s) as necessary. See Selecting the Scan Size for instructions.

8 Click **Scan**.

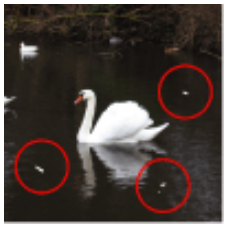
What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

Removing Dust and Scratch Marks from Originals Using DIGITAL ICE Technology

DIGITAL ICE Technology Specifications
Using DIGITAL ICE Technology in Home Mode
Using DIGITAL ICE Technology in Professional Mode

Your scanner and its Epson Scan software are equipped with the **DIGITAL ICE Technology** feature that removes stubborn dust or scratch marks from your originals.

Original image	DIGITAL ICE Technology applied
	

DIGITAL ICE Technology can remove dust marks that the Dust Removal feature cannot. However, it takes longer to scan using DIGITAL ICE Technology and also uses more of your system resources. It is best to try removing dust marks using Dust Removal before using DIGITAL ICE Technology. See Removing Dust Marks with the Dust Removal Feature for details.

Note:

- You cannot use Dust Removal and DIGITAL ICE Technology at the same time.
- Do not use DIGITAL ICE Technology to scan originals that do not contain dust or scratch marks; otherwise your scanned image(s) may be distorted or blurred.
- Images scanned with DIGITAL ICE Technology may appear softer than your original images.
- This feature is not available if the **Show Texture** check box in the Configuration dialog box is selected.

Before using DIGITAL ICE Technology, make sure your system meets the requirements in DIGITAL ICE Technology Specifications.

DIGITAL ICE Technology Specifications

To use DIGITAL ICE Technology, your system memory and hard disk space must meet the requirements in the table below. DIGITAL ICE Technology needs additional resources to process and store your scanned images at the sizes and resolutions specified here.

Original type	Resolution *	Hard disk space	System memory
4 × 6-inch (10.2 × 15.2 cm) photograph	600 dpi	157 MB	185 MB
	4800 dpi	626 MB	370 MB

A4 size photograph	600 dpi	631 MB	255 MB
	4800 dpi	2524 MB	510 MB
35 mm film or slide	150 dpi	1 MB	8 MB
	300 dpi	1 MB	15 MB
	600 dpi	4 MB	30 MB
	1200 dpi	16 MB	59 MB
	2400 dpi	63 MB	117 MB
	3600 dpi	142 MB	175 MB
	12800 dpi	251 MB	233 MB
Medium format film (6 × 20 cm)	150 dpi	4 MB	34 MB
	300 dpi	8 MB	70 MB
	600 dpi	29 MB	139 MB
	1200 dpi	116 MB	277 MB
	2400 dpi	464 MB	553 MB
	3600 dpi	1042 MB	830 MB
	12800 dpi	1853 MB	1106 MB

* This is the actual scan resolution used by DIGITAL ICE Technology, which is higher than the scan resolution you specify in Epson Scan. Make sure your system resources meet these increased requirements.

You can use DIGITAL ICE Technology on the following types of originals.

Original type	DIGITAL ICE Technology
Glossy Photo	Yes
Color negative film	Yes
Color positive film or slides	Yes *
Monochrome negative film	No **
Monochrome positive film	No

* Kodachrome film is not supported.

** Only chromogenic monochrome negative film is supported.

Note:

- It may take much longer to scan and for your software to respond to clicking **Cancel** if you have insufficient system resources.
- If you place your original on the document table at an angle, DIGITAL ICE Technology may require even more system memory to process your images. Be sure to place your original straight on the document table.

See one of these sections for instructions on using DIGITAL ICE Technology.

Full Auto Mode: This feature is not available in Full Auto Mode. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

Office Mode: This feature is not available in Office Mode. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

Home Mode: Using DIGITAL ICE Technology in Home Mode

Professional Mode: Using DIGITAL ICE Technology in Professional Mode

Top

Using DIGITAL ICE Technology in Home Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

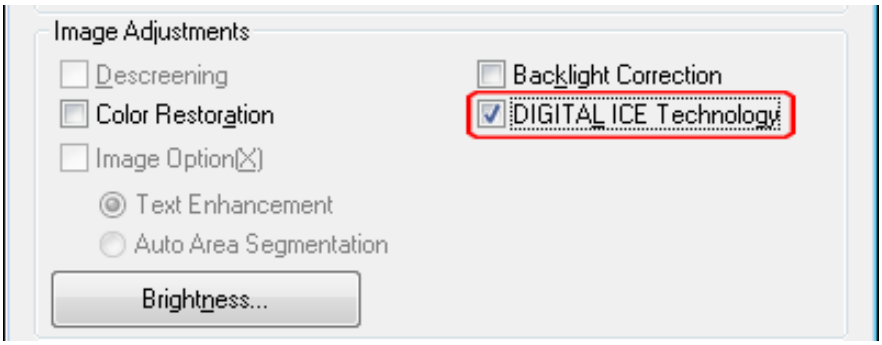
 Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. In the Home Mode window, select the **Document Type**, **Image Type**, and **Destination** settings. For details, see Scanning in Home Mode.

4. Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5. Click the **DIGITAL ICE Technology** check box.



Note:

> The results of DIGITAL ICE Technology do not appear in the images in the Preview window, but apply to all of them. You must scan the images to see the effects.

6. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for instructions.

7. Size your image(s) as necessary. See Selecting the Scan Size for instructions.

8. Click **Scan** to scan and remove dust and scratch marks in your image(s).

What happens next depends on how you started Epson Scan. See Finishing the Scan for details.

Top

Using DIGITAL ICE Technology in Professional Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

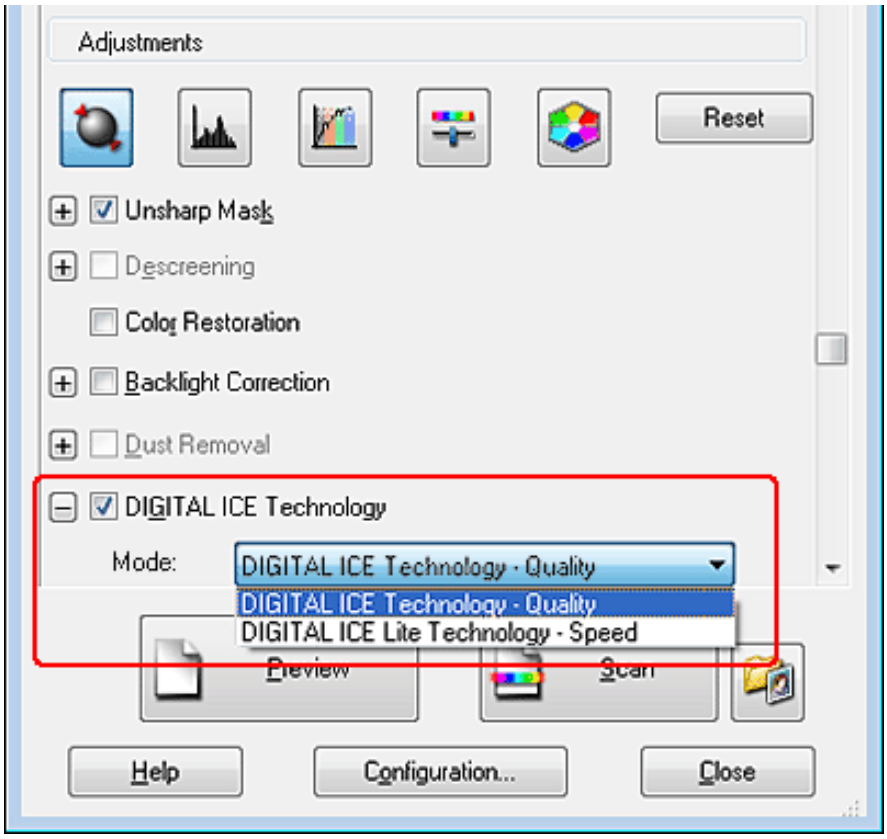
2. Start Epson Scan. See Starting Epson Scan for instructions.

3. In the Professional Mode window, select the **Document Type**, **Auto Exposure Type** (for scanning documents or photos), **Film Type** (for scanning film or slides), **Image Type**, **Resolution**, and **Document Size** settings. For details, see Scanning in Professional Mode.

4. Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5. Scroll down to the Adjustments area and click the **DIGITAL ICE Technology** check box.

 When you select **Reflective** as the Document Type, you can change the level of the DIGITAL ICE Technology correction effect. Click the **+** (Windows) or ▶ (Mac OS X) button next to the option and select **DIGITAL ICE Technology - Quality** or **DIGITAL ICE Technology - Speed**.



Note:

> The results of DIGITAL ICE Technology do not appear in the images in the Preview window, but apply to all of them. You must scan the images to see the effects.

6. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for instructions.

7 Size your image(s) as necessary. See Selecting the Scan Size for instructions.

8 Click **Scan** to scan and remove dust and scratch marks in your image(s).

What happens next depends on how you started Epson Scan. See Finishing the Scan for details.

Top

Fixing Backlit Photos

Backlight Correction in Home Mode
Backlight Correction in Professional Mode

Using the **Backlight Correction** feature in Epson Scan, you can remove shadows from photos that have too much background light. You can fix printed photos, film, or slides automatically as you scan them.

Original image	Backlight Correction applied
	

See one of these sections for instructions on fixing backlit photos.

Full Auto Mode: This feature is not available in Full Auto Mode. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

Office Mode: This feature is not available in Office Mode. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

Home Mode: Backlight Correction in Home Mode

Professional Mode: Backlight Correction in Professional Mode

Backlight Correction in Home Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

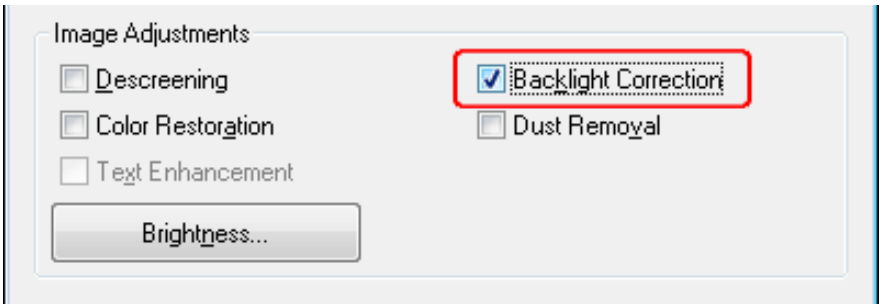
 Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.

3. In the Home Mode window, select the **Document Type**, **Image Type**, and **Destination** settings. For details, see Scanning in Home Mode.

4. Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.

5. Click the **Backlight Correction** check box.



Note:

If you are scanning multiple images at the same time and you want to apply the Backlight Correction feature to all of your images or scan areas, click **All** in the Preview window before you click the check box.

6. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.
7. Size your image(s) as necessary. See Selecting the Scan Size for details.
8. Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

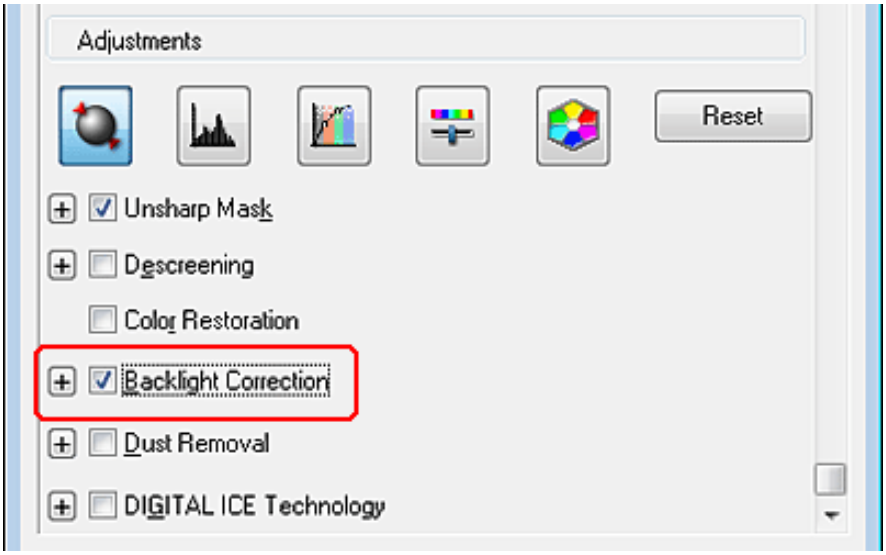
Backlight Correction in Professional Mode

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

 Film or slides: Placing Film or Slides

2. Start Epson Scan. See Starting Epson Scan for instructions.
3. In the Professional Mode window, select the **Document Type**, **Document Source**, **Auto Exposure Type** (for scanning documents or photos) or **Film Type** (for scanning film or slides), **Image Type**, and **Resolution** settings. For details, see Scanning in Professional Mode.
4. Click **Preview** to preview your image(s), then select your scan area. See Previewing and Adjusting the Scan Area for details.
5. Scroll down to the Adjustments area and click the **Backlight Correction** check box. If you want to increase or decrease the level of the backlight correction effect, click the **+** (Windows) or ▶ (Mac OS X) button next to the option and select a setting in the **Level** list.



Note:

If you are scanning multiple images at the same time and you want to apply the Backlight Correction feature to all of your images or scan areas, click **All** in the Preview window before you click the check box.

6 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7 Size your image(s) as necessary. See Selecting the Scan Size for details.

8 Click **Scan**.

What happens next depends on how you started Epson Scan. See Finishing the Scan for instructions.

Top

Text Enhancement

Text Enhancement Using the PDF Button
Text Enhancement in Office Mode
Text Enhancement in Home Mode

When you scan documents, you can sharpen the text and increase accuracy by using the **Text Enhancement** feature in Epson Scan.

Original	Text Enhancement: Off	Text Enhancement: On
		

Note:

You can enhance text only when you scan using a resolution of 600 dpi or less.

See one of these sections for instructions on text enhancement.

Text Enhancement Using the PDF Button

Office Mode: Text Enhancement in Office Mode

Home Mode: Text Enhancement in Home Mode

Note:

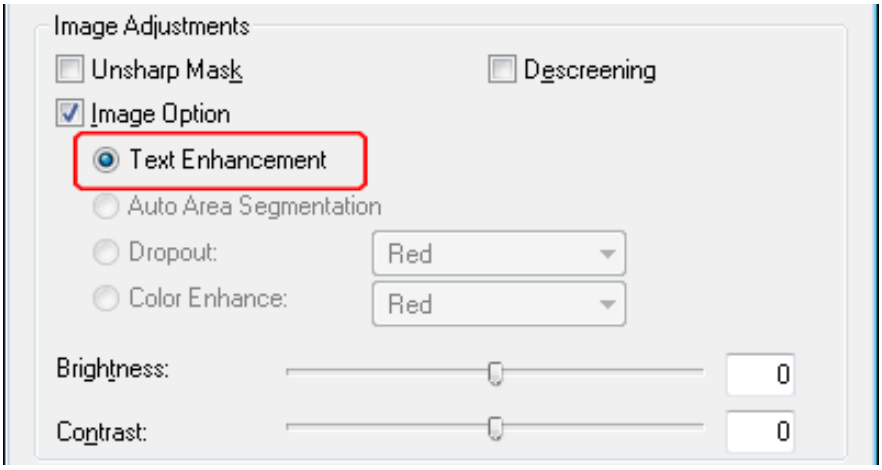
The instructions in these sections are for scanning to a PDF file, but text enhancement is also effective when you convert scanned documents into editable text. See Converting Scanned Documents Into Editable Text for details.

Text Enhancement Using the PDF Button

1. Place your document on the document table. See Placing Documents or Photos for instructions.
2. Press the PDF button on the scanner.
3. When you see the Scan to PDF window, click **Settings**. You see the Scan to PDF Settings window.

4 In the Scan to PDF Settings window, select the **Image Type** and **Destination** settings. For details, see Scanning to a PDF File Using the PDF Button.

5 Click the **Image Option** check box, and then select **Text Enhancement**.



6 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7 Click **File Save Settings**. Make file save settings as necessary and click **OK**. See Scanning to a PDF File Using the PDF Button for details.

8 Click **Close** to close the Scan to PDF Settings window, then click **Scan** or press the Start button on the scanner. Epson Scan scans your page.

9 When you are finished scanning all of your pages, click **Finish** or press the PDF button on the scanner. Your document is saved as a PDF file in the Pictures or My Pictures folder, or in the location you selected in the File Save Settings window.

Top

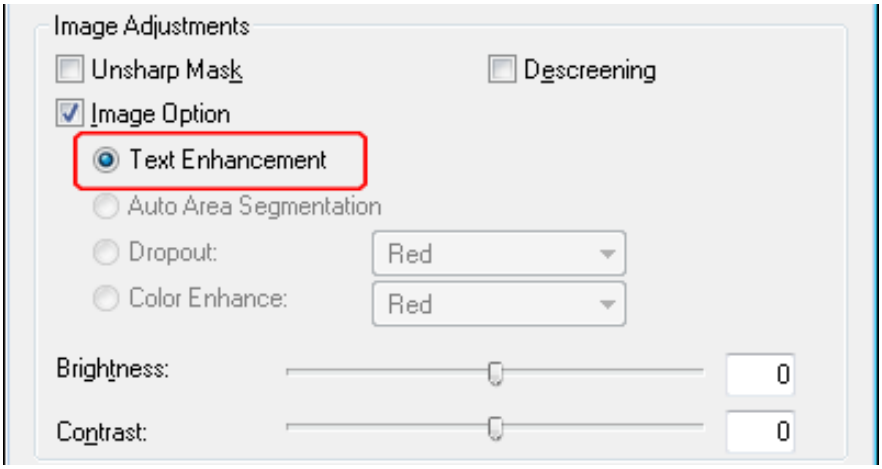
Text Enhancement in Office Mode

1 Place your document on the document table. See Placing Documents or Photos for instructions.

2 Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Office Mode window, select the **Image Type**, and Destination settings. For details, Scanning in Office Mode.

4 Click the **Image Option** check box, and then select **Text Enhancement**.



5 Click **Preview** to preview your document, then select your scan area. For details, see Previewing and Adjusting the Scan Area.

6 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7 Click **Scan**. The File Save Settings window appears.

8 Make File Save and PDF settings as necessary. See Scanning to a PDF File in Office Mode for details.

9 Click **OK**.

Top

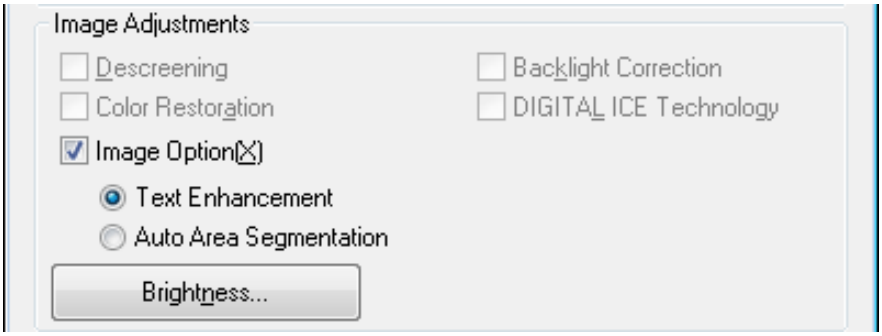
Text Enhancement in Home Mode

1 Place your document on the document table. See Placing Documents or Photos for instructions.

2 Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Home Mode window, select the **Document Type**, **Image Type**, and **Destination** settings. For details, see Scanning in Home Mode.

4 Click the **Image Option** check box, and then select **Text Enhancement**.



5. Click **Preview** to preview your document, then select your scan area. For details, see Previewing and Adjusting the Scan Area.

6. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

7. Click **Scan**. The File Save Settings window appears.

8. Make File Save and PDF settings as necessary. See Scanning to a PDF File in Home Mode for details.

9. Click **OK**.

Top

Using the Scanner as a Copier

You can use your scanner along with a printer connected to your computer just like you would use a copy machine. You can even enlarge and reduce, restore faded colors, remove dust, enhance text, and adjust image brightness and contrast as you copy.

1 Place your original(s) on the document table. See one of these sections for instructions.

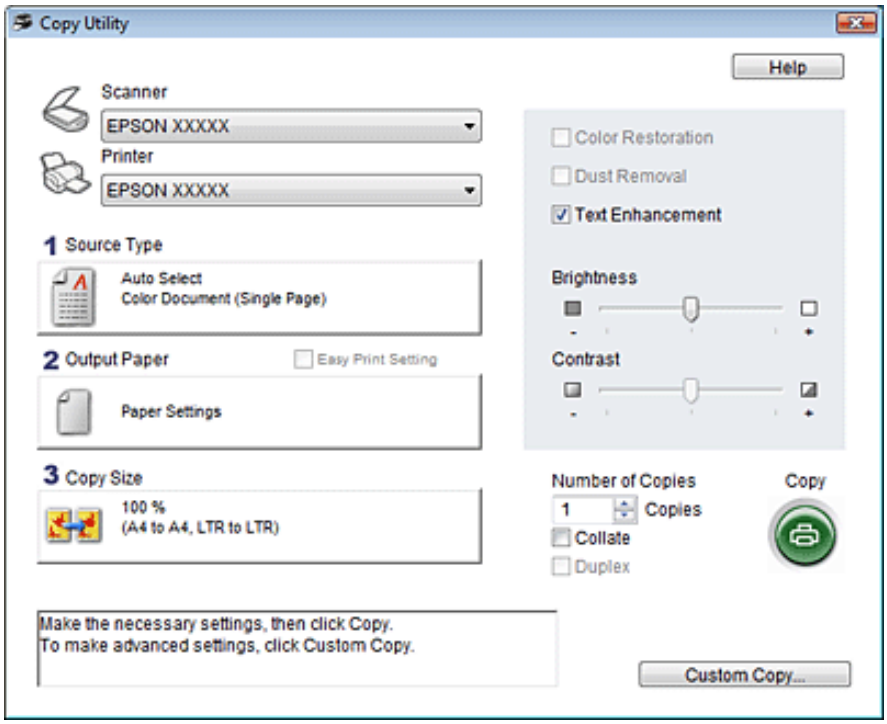
Documents or photos: Placing Documents or Photos

Film or slides: Placing Film or Slides

2 Start the Copy Utility in one of these ways.

- Press the Copy button on the scanner.
- **Windows 8:** Navigate to the **Start** screen > **Copy Utility**.
- **Windows 7 / Vista / XP:** Select the start button or **Start** > **Programs** or **All Programs** > **Epson Software** > **Copy Utility**.
- **Mac OS X:** Select **Applications** > **Epson Software** > **Copy Utility**, and double-click the **Copy Utility** icon.

You see the Copy Utility window.



3 Select your scanner from the **Scanner** list at the top of the window.

4 Select your printer from the **Printer** list.

5 Click the **Source Type** box, select the type of original(s) you are copying, and click **OK**. See the table below for guidance.

Source Type setting	Type of document
Color Document (Single Page)	One-page color documents containing text or text and graphics, such as a flyer.
Black & White Document (Single Page)	One-page black and white documents containing text or text and graphics, such as a letter.
Color Document (Multiple Pages)	Multiple page color documents containing text or text and graphics, such as a brochure.
Black & White Document (Multiple Pages)	Multiple page black and white documents containing text or text and graphics, such as a manual.
Photo	Color or black-and-white photographs.
Negative Film	Color negative film strips.
Positive Film	Color positive slides or positive film strips.

6 Click the **Output Paper** box, select the type and size of paper you loaded in your printer, and click **OK**.

Note:

If you are printing on certain Epson printers, you see the printer settings window. See your printer documentation for instructions on selecting settings.

7 If you want to enlarge or reduce your image(s) as you copy it, click the **Copy Size** box, select the enlargement/ reduction, and click **OK**.

Note:

If you are printing on an Epson printer that supports borderless printing, you can select options for **Margins** (borders) or **No Margins** (borderless).

8 If you are copying a faded photo and want to restore the colors, click the **Color Restoration** check box. It is available only when the Source Type is **Photo**, **Negative Film**, or **Positive Film**.

9 If you need to remove dust marks as you copy, click the **Dust Removal** check box. It is available only when the Source Type is **Negative Film** or **Positive Film**.

10 If you are copying a color or black-and-white document, you can improve the definition of text and line art by leaving the **Text Enhancement** check box checked. It is available only when the Source Type is **Color Document (Single Page)**, **Black & White Document (Single Page)**, **Color Document (Multiple Pages)**, or **Black & White Document (Multiple Pages)**.

11 If you need to adjust the lightness or darkness of your original(s) or adjust the contrast between them as you copy, click the slider beneath the **Brightness** and/or **Contrast** settings. Contrast is only adjustable when the Source Type is **Photo**, **Negative Film**, or **Positive Film**.

12 Click the arrow in the **Number of Copies** box to select the number of copies you want, if necessary.

13 When you are ready to scan and print, click **Copy**.

Note:

If you want to preview your scan before printing it or select additional copy settings, click **Custom Copy** at the bottom of the window. Click **Help** in the Copy Utility for instructions on using the Custom Copy features.

Scanning to a PDF File

Scanning to a PDF File Using the PDF Button
Scanning to a PDF File in Office Mode
Scanning to a PDF File in Home Mode
Scanning to a PDF File in Professional Mode

The easiest way to scan multiple document pages to a PDF file is to press the PDF button on the scanner. See Scanning to a PDF File Using the PDF Button for instructions.

Using Epson Scan, you can create a PDF file with the following features.

Scanning multiple document pages into a single PDF file: You can scan multiple document pages and save them in a single PDF file.

Creating a searchable PDF file: You can create a PDF file with search functionality, so that you can look for words in the file. (This feature may not be available in some countries.)

Specifying the number of pages in a single PDF file: You can specify the maximum number of pages that can be included in one PDF file. For example, if you are scanning a 20-page document, and specify the page number to be included in one PDF as 4, 5 PDF files are automatically created.

Note:

You need ABBYY FineReader that came with your scanner to use some of these features. If you have installed your scanning software as described in the Start Here sheet, it has already been installed. (ABBYY FineReader may not be available in some countries.)

See one of these sections to start scanning to a PDF file.

Scanning to a PDF File Using the PDF Button

Full Auto Mode: Select **PDF** as the Image Type setting in the File Save Settings window. See Scanning in Full Auto Mode for instructions. If you want to scan multiple document pages into one PDF file serially, change the scan mode to Office Mode, Home Mode or Professional Mode. See Changing the Scan Mode for instructions.

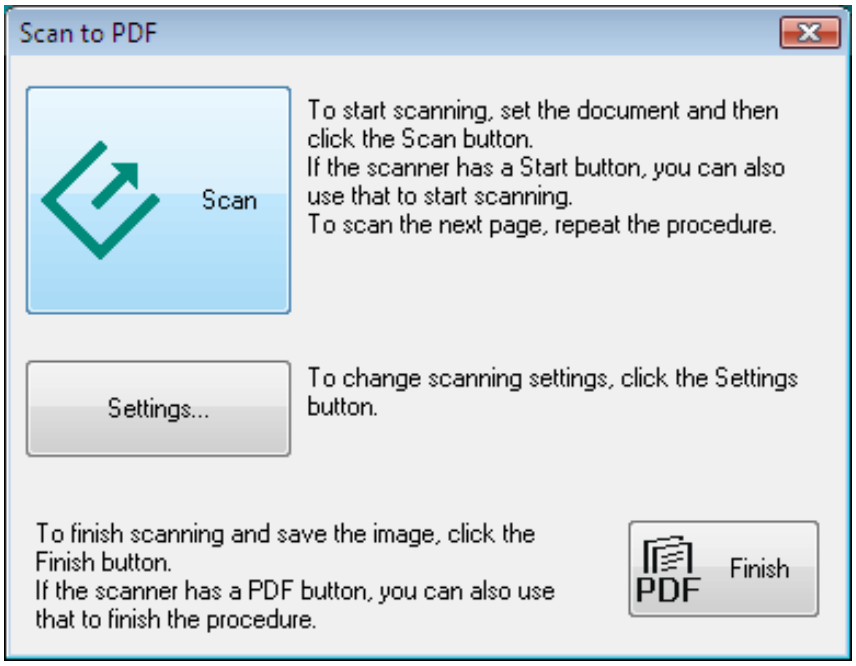
Office Mode: Scanning to a PDF File in Office Mode

Home Mode: Scanning to a PDF File in Home Mode

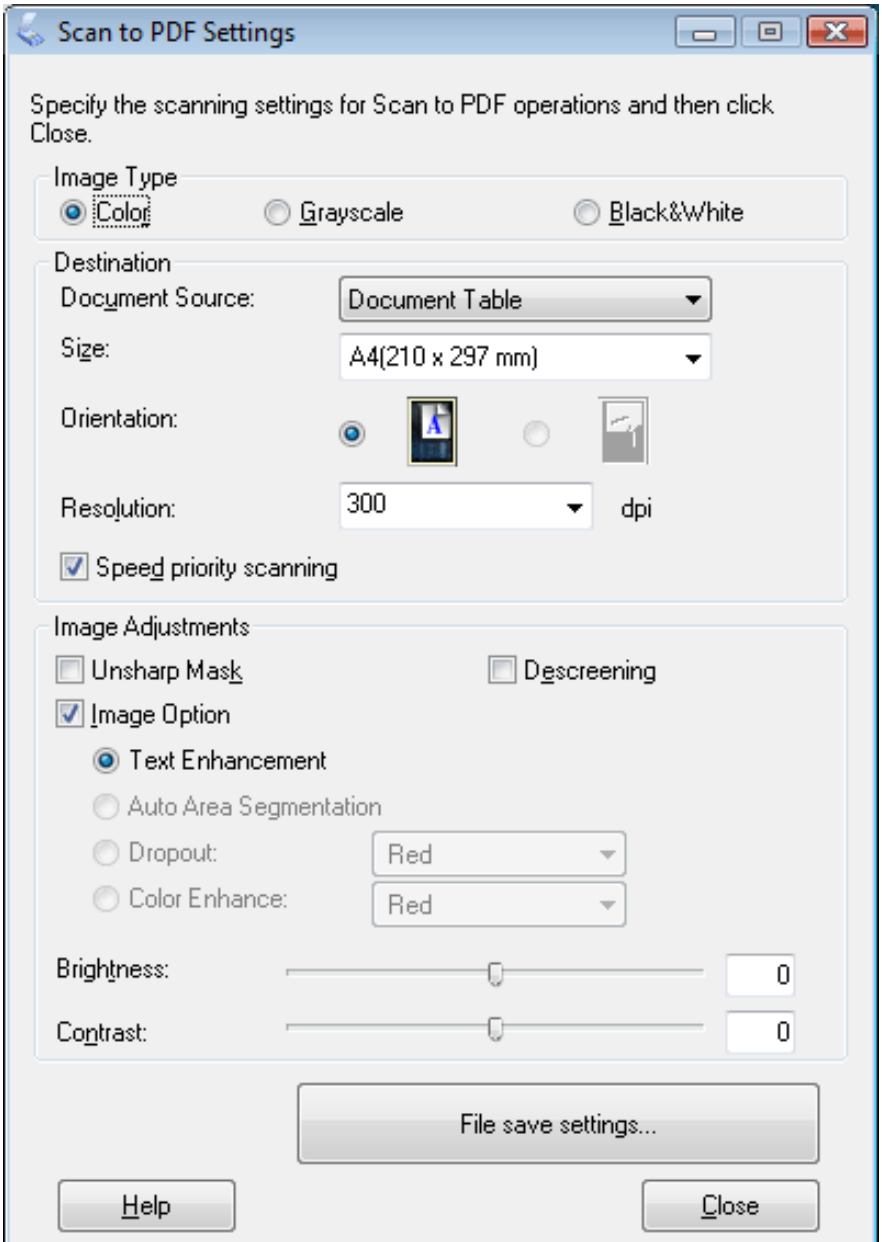
Professional Mode: Scanning to a PDF File in Professional Mode

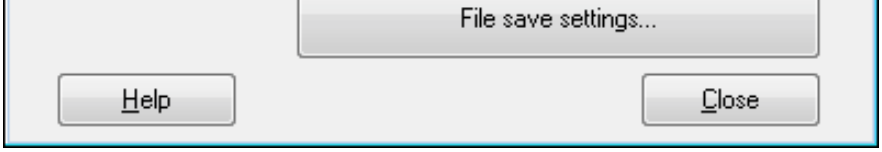
Scanning to a PDF File Using the PDF Button

1. Place your document on the document table. See Placing Documents or Photos for instructions.
2. Press the PDF button on the scanner. You see the Scan to PDF window.



3 Click **Settings**. You see the Scan to PDF Settings window.



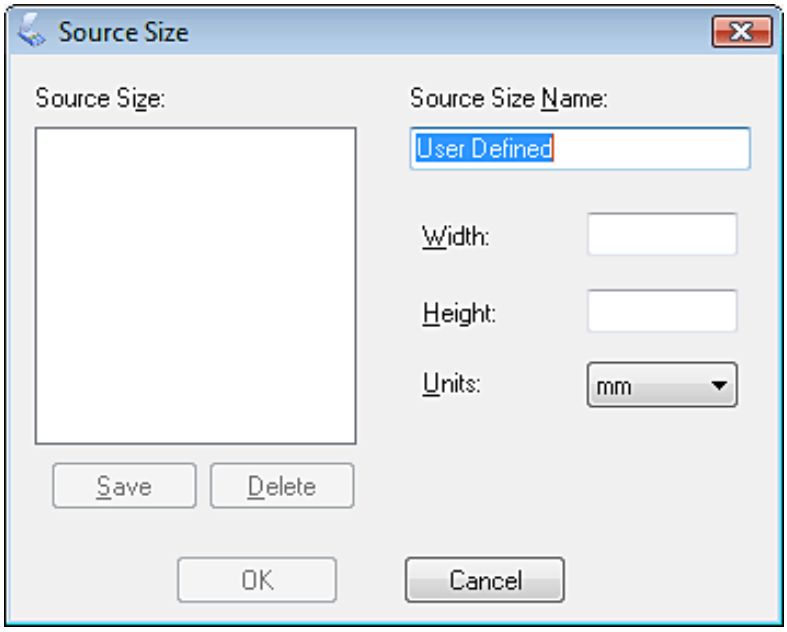


4. Select **Color**, **Grayscale**, or **Black&White** as the Image Type setting to select the colors in the original.

5. Select **Document Table** as the Document Source setting.

6. Click the arrow to open the **Size** list and select the size of your original(s).

7. If you need to select a size that is not in the Size list, you can create a custom size. Click the arrow in the Size list and select **Customize**. You see the Source Size window.



Type a name for your custom size, enter the size, click **Save**, then click **OK**. Your new size appears in the Size list.

8. Click the arrow next to the **Resolution** list and select the number of dots per inch at which you want to scan. See the table below for guidelines.

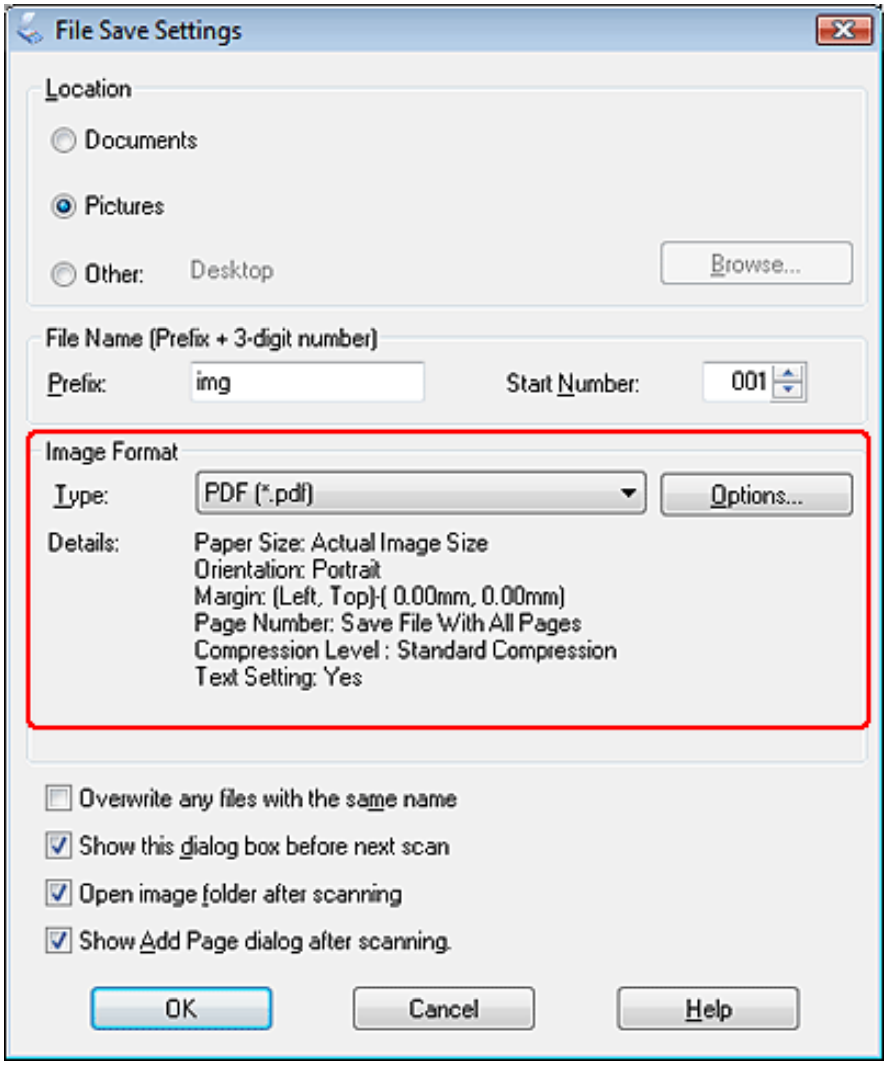
What you will do with the scanned image	Suggested scan resolution
Send via e-mail, upload to web, view only on the screen	96 to 150 dpi
Fax	200 dpi
Print	300 dpi

9. Use the settings in the Image Adjustments area of the window to modify the image quality if necessary. See the table below for guidelines.

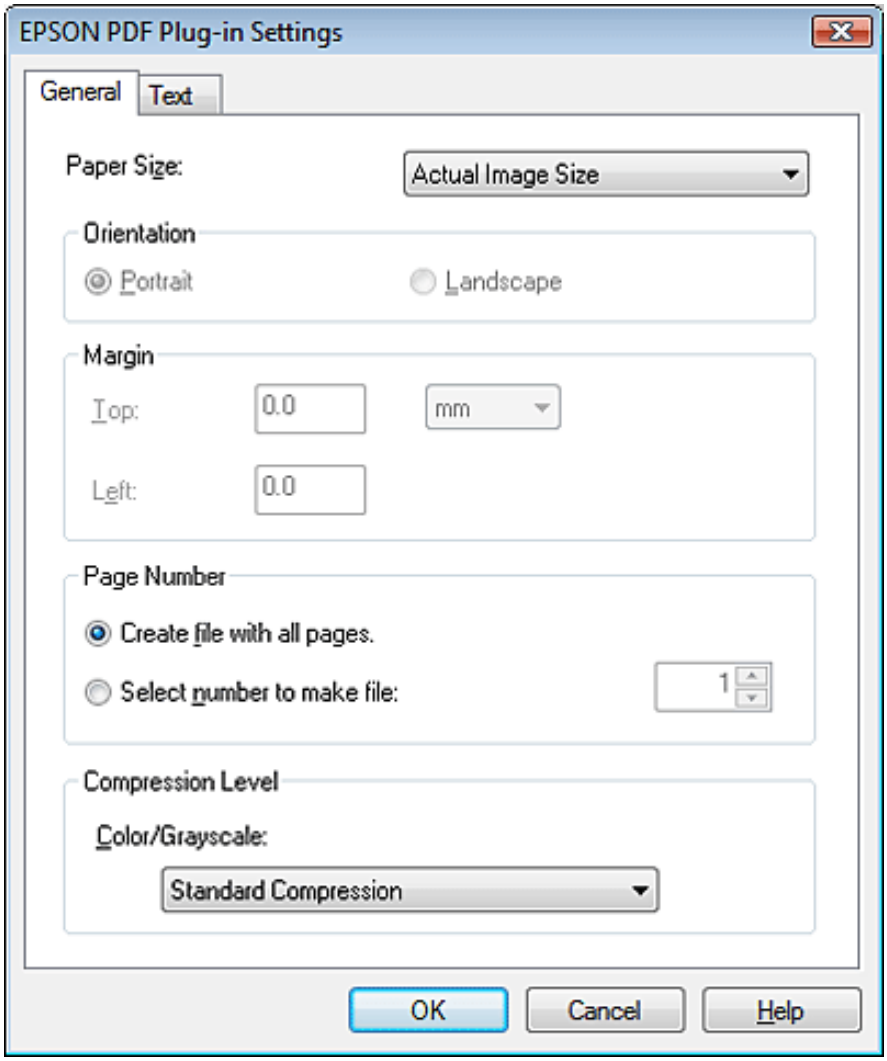
Setting	Description
Brightness	Adjusts the overall image lightness and darkness. This setting is available only when the Image Type is set to Color or Grayscale.
Contrast	Adjusts the difference between the light and dark areas of the overall image. This setting is available only when the Image Type is set to Color or Grayscale.

Unsharp Mask		Turn on to make the edges of image areas clearer for an overall sharper image. Turn off to leave softer edges. This setting is available only when the Image Type is set to Color or Grayscale.
Descreening		Removes the rippled pattern that can appear in subtly shaded image areas, such as skin tones. Also improves results when scanning magazine or newspaper images that include screening in their original print process. This setting is available only when the Image Type is set to Color or Grayscale.
Image Option	Text Enhancement	Enhances text recognition when scanning text documents. This setting is available in the following conditions: - when the Image Type is set to Color and Image Option is selected - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected When the Image Type is set to Black&White, the results of Text Enhancement do not appear in the preview, only in your scanned image.
	Auto Area Segmentation	Makes Black&White images clearer and text recognition more accurate by separating the text from the graphics. This setting is available only when the Image Type is set to Black&White and Image Option is selected.
	Dropout	Drops out red, green, or blue in the scan. This setting is available in the following conditions: - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected
	Color Enhance	Enhances red, green, or blue in the scan. This setting is available in the following conditions: - when the Image Type is set to Grayscale and Image Option is selected - when the Image Type is set to Black&White and Image Option is selected
Threshold		Adjusts the level at which the black areas in text and line art are delineated, improving text recognition in OCR programs. This setting is available only when the Image Type is set to Black&White.

10 Click **File Save Settings**. The File Save Settings window appears. The current Paper Size, Orientation, Margin, and other settings are displayed below it.



11 If you need to change any of the current PDF settings, click **Options**. You see the Epson PDF Plug-in Settings window.



Select the settings that match your document and click **OK**. You return to the File Save Settings window.

Note:

The Text tab is available only when ABBYY FineReader is installed. If ABBYY FineReader is not available in your country, you will not see the Text tab.

12 Make any other file save settings, and click **OK**.

13 Click **Close** to close the Scan to PDF Settings window, then click **Scan** or press the Start button on the scanner. Epson Scan scans your page.

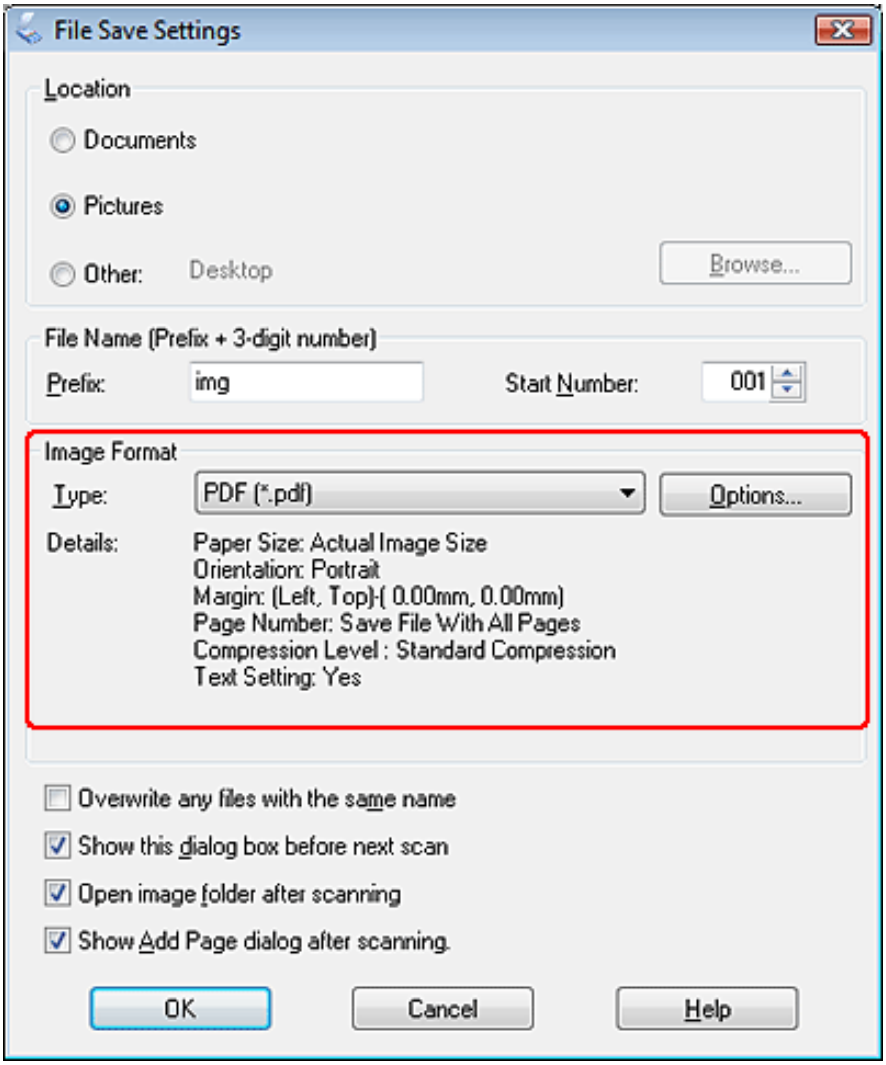
14 If you are scanning multiple pages, replace the first page on the document table with the second page and click **Scan** or press the Start button again. Repeat this step for each page in your document.

15 When you are finished, click **Finish** or press the PDF button on the scanner. Your document is saved as a PDF file in the Pictures or My Pictures folder, or in the location you selected in the File Save Settings window.

Top

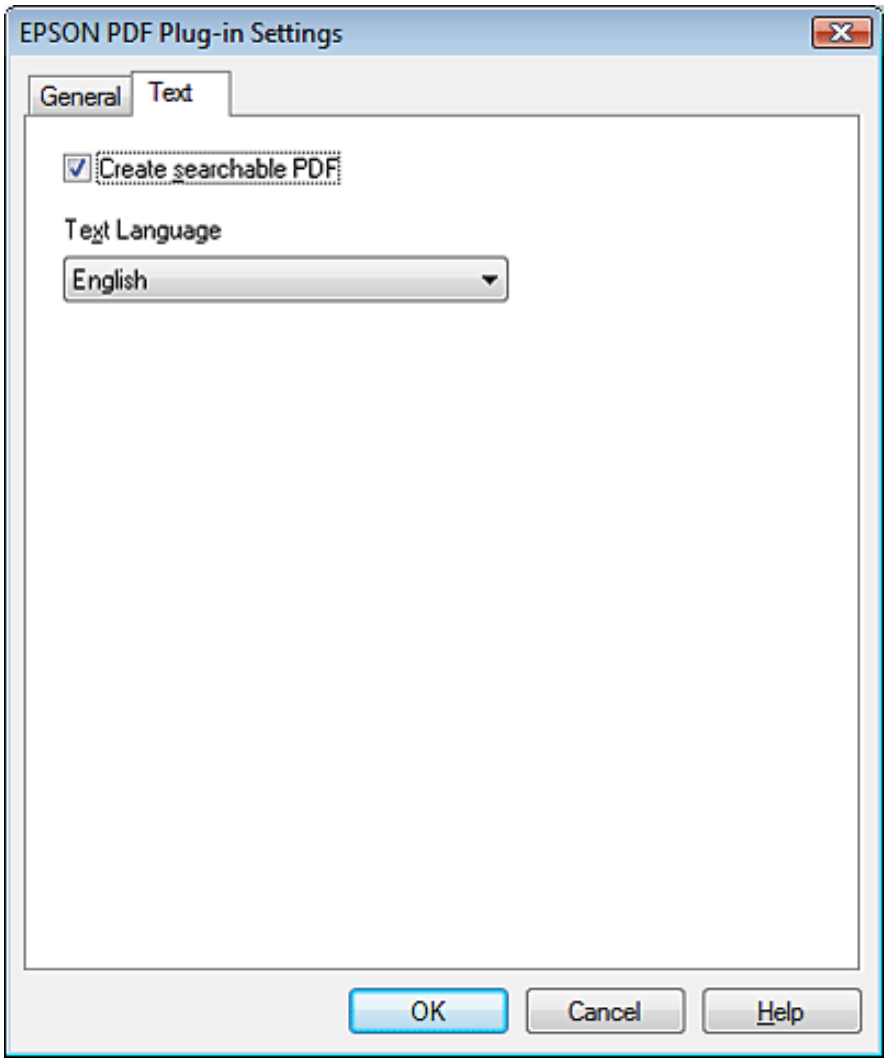
Scanning to a PDF File in Office Mode

1. Place your document on the document table. See Placing Documents or Photos for instructions.
2. Start Epson Scan. See Starting Epson Scan for instructions.
3. In the Office Mode window, select the **Image Type**, **Document Source**, **Size**, and **Resolution** settings. For details, Scanning in Office Mode.
4. Click **Preview** to preview your image(s), then select your scan area. For details, see Previewing and Adjusting the Scan Area.
5. Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.
6. Click **Scan**. The File Save Settings window appears.
7. Select **PDF** as the Type setting. The current Paper Size, Orientation, Margin, and other settings are displayed below it.



8. Click **Options**. You see the Epson PDF Plug-in Settings window.

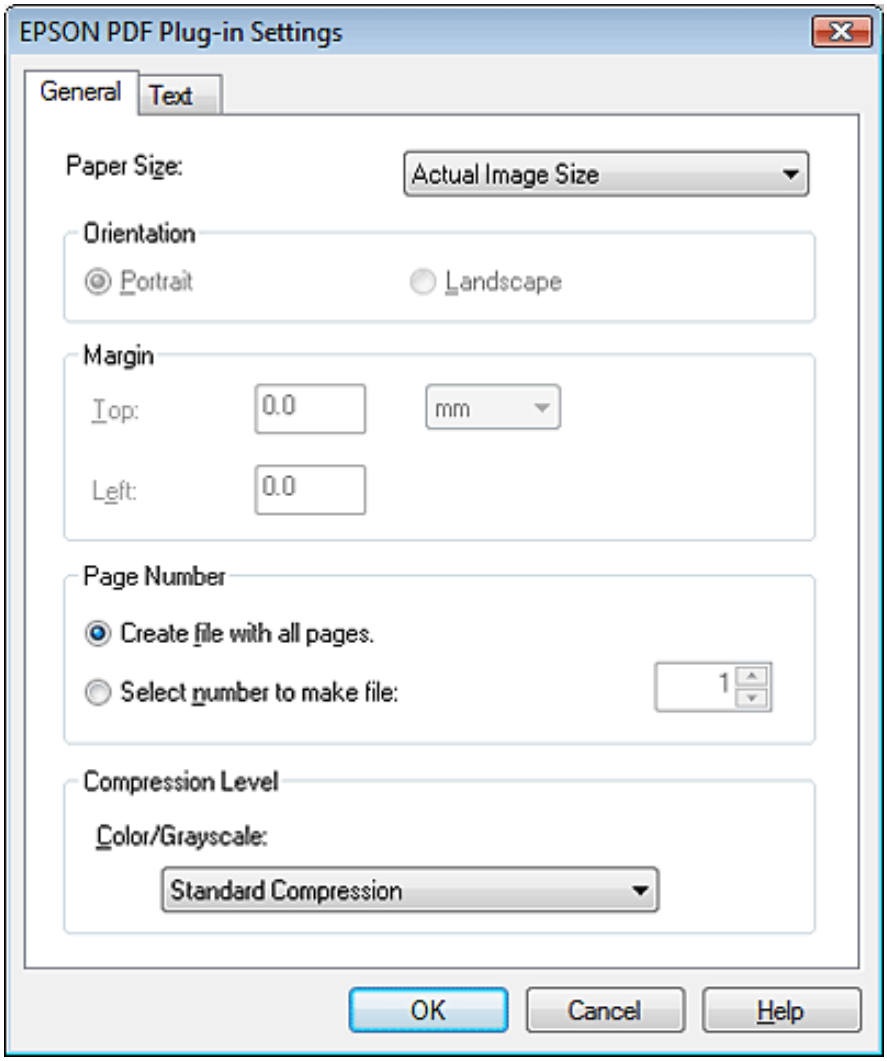
 To create a searchable PDF file, click the **Text** tab, select the **Create searchable PDF** check box, then select your language from the **Text Language** list.



Note:

The Text tab is available only when ABBYY FineReader is installed. If ABBYY FineReader is not available in your country, you will not see the Text tab.

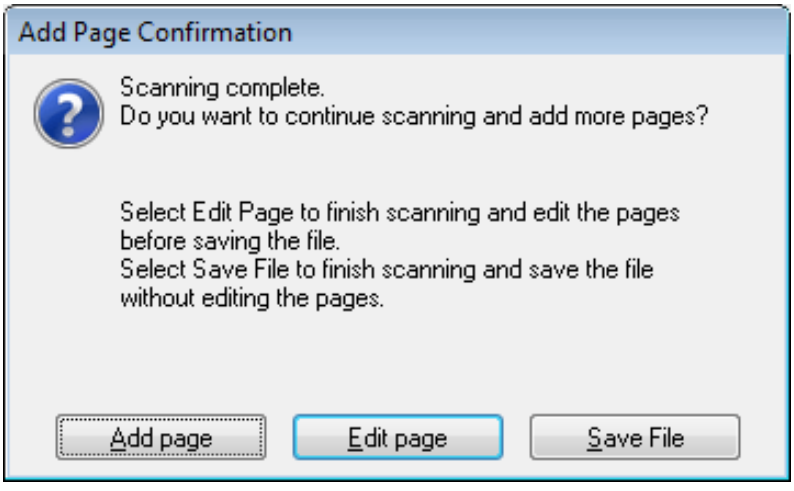
To specify the maximum number of pages that can be included in one PDF file, click the **General** tab and adjust the **Select number to make file** setting.



For other settings in the Epson PDF Plug-in Settings window, see Epson Scan Help for details.

9 Select the settings that match your document and click **OK**. You return to the File Save Settings window.

10 Make any other file save settings, and click **OK**. Epson Scan scans your document and displays the window below.



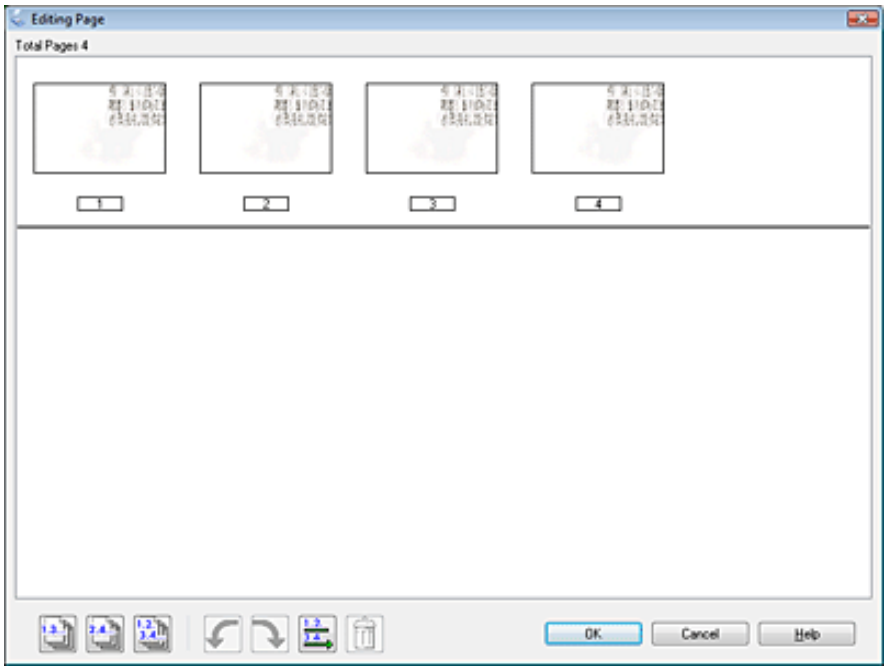
Note:

If you deselect the **Show Add Page dialog after scanning** check box in the File Save Settings window, this window does not appear and Epson Scan automatically saves your document.

11 Select one of the following options.

- **Add page:** Click this button to scan the next page of your document. Replace the first page on the document table with the next page, and click **Scan**. Repeat this step for each page in your document. When you are finished, click **Edit page** and go to step 12.
- **Edit page:** Click this button if you have scanned all the necessary pages so you can edit the scanned pages before saving them in one PDF file. Then go to step 12.
- **Save File:** Click this button when you are ready to finish scanning and save the scanned pages into one PDF without editing them. Then go to step 14.

12 You see the Editing Page window displaying thumbnail images of each scanned page.



Use the tools below the Editing Page window to select, rotate, reorder, and delete pages.

If you want to include all the document pages in your PDF files as they currently look, go to step 13.

If you want to rotate pages, click the pages, or use the odd pages, even pages, or all pages icon to select the pages, then click the left or right rotate icon to rotate them.

If you want to delete pages, click the pages, or use the odd pages, or even pages icon to select the pages, then click the delete icon to delete them.

Note:

The delete icon is not available when all pages are selected.

For further details on the tools in the Editing Page window, see Epson Scan Help.

13 When you have finished editing your pages, click **OK**. The pages are saved in one PDF file in Pictures, My Pictures, or the location you selected in the File Save Settings window, and you return to the Office Mode window.

14 Click **Close** to exit Epson Scan.

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Scanning to a PDF File in Home Mode

1 Place your document on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

Film or slides: Placing Film or Slides

2 Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Home Mode window, select the **Document Type**, **Image Type**, and **Destination** settings. For details, see Scanning in Home Mode.

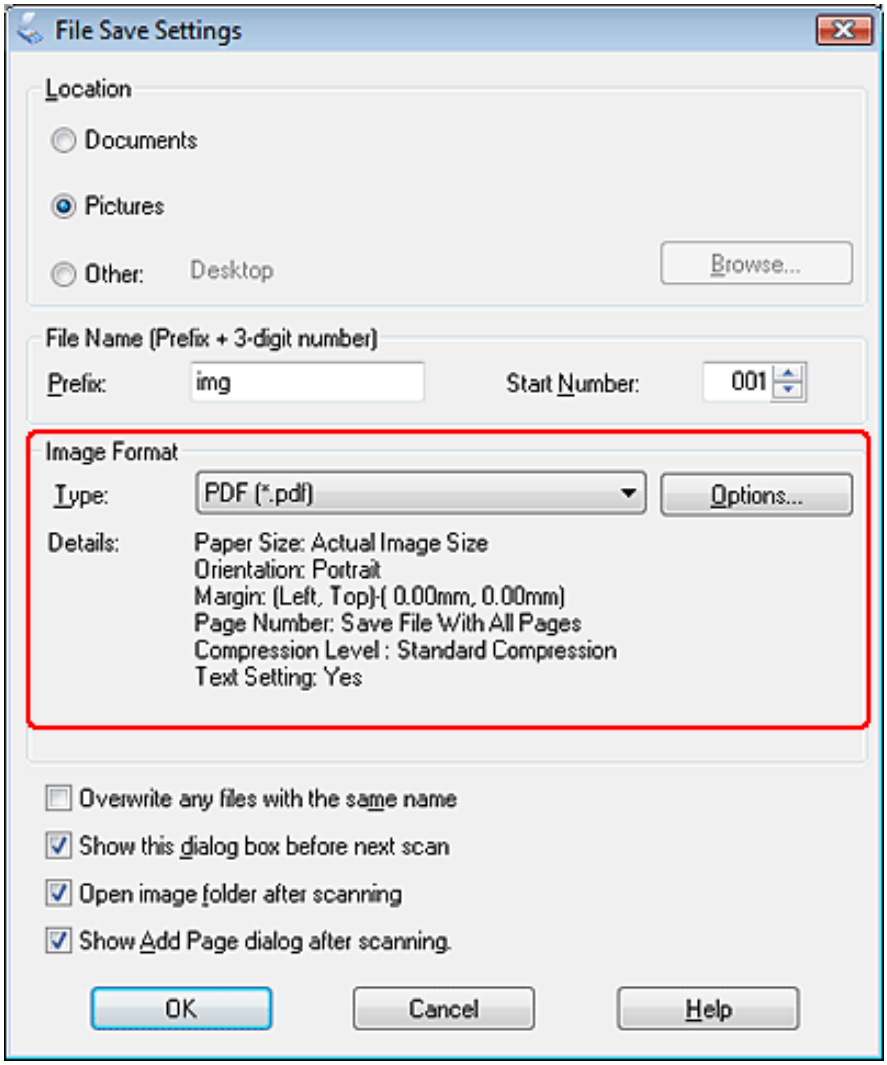
4 Click **Preview** to preview your image(s), then select your scan area. For details, see Previewing and Adjusting the Scan Area.

5 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

6 Size your image as necessary. See Selecting the Scan Size for details.

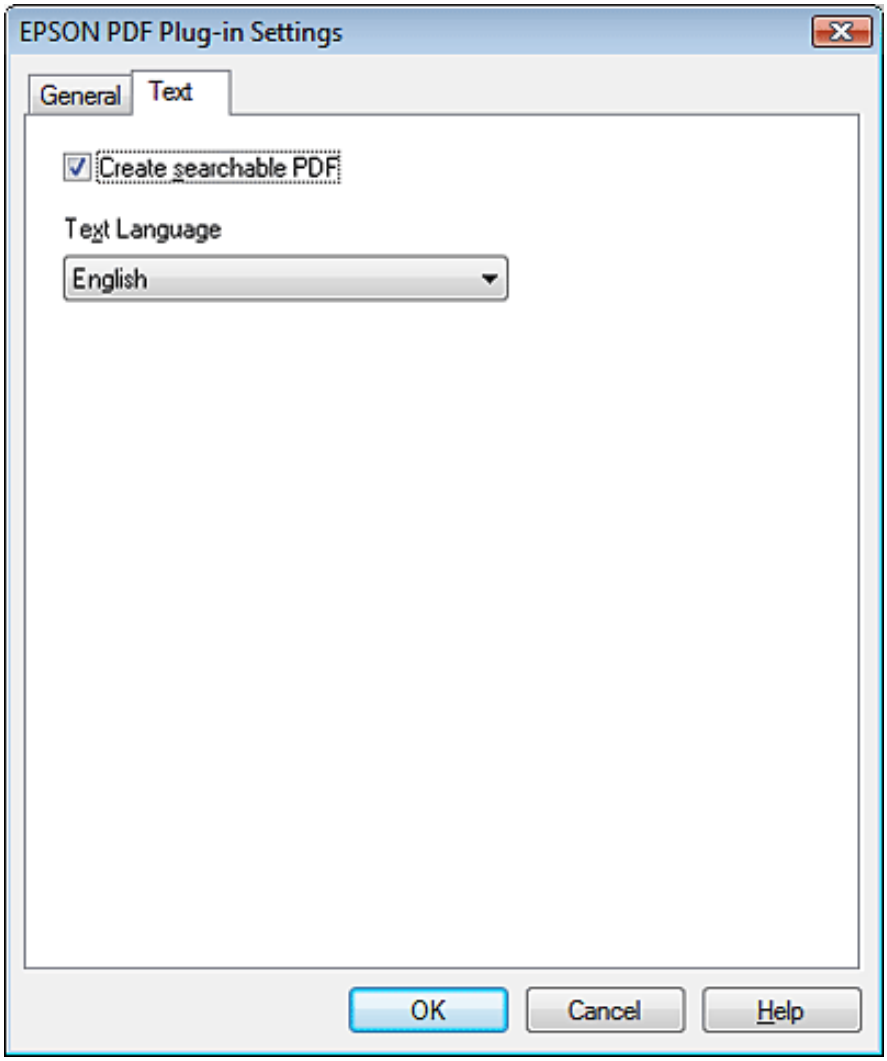
7 Click **Scan**. The File Save Settings window appears.

8 Select **PDF** as the Type setting. The current Paper Size, Orientation, Margin, and other settings are displayed below it.



9 Click **Options**. You see the Epson PDF Plug-in Settings window.

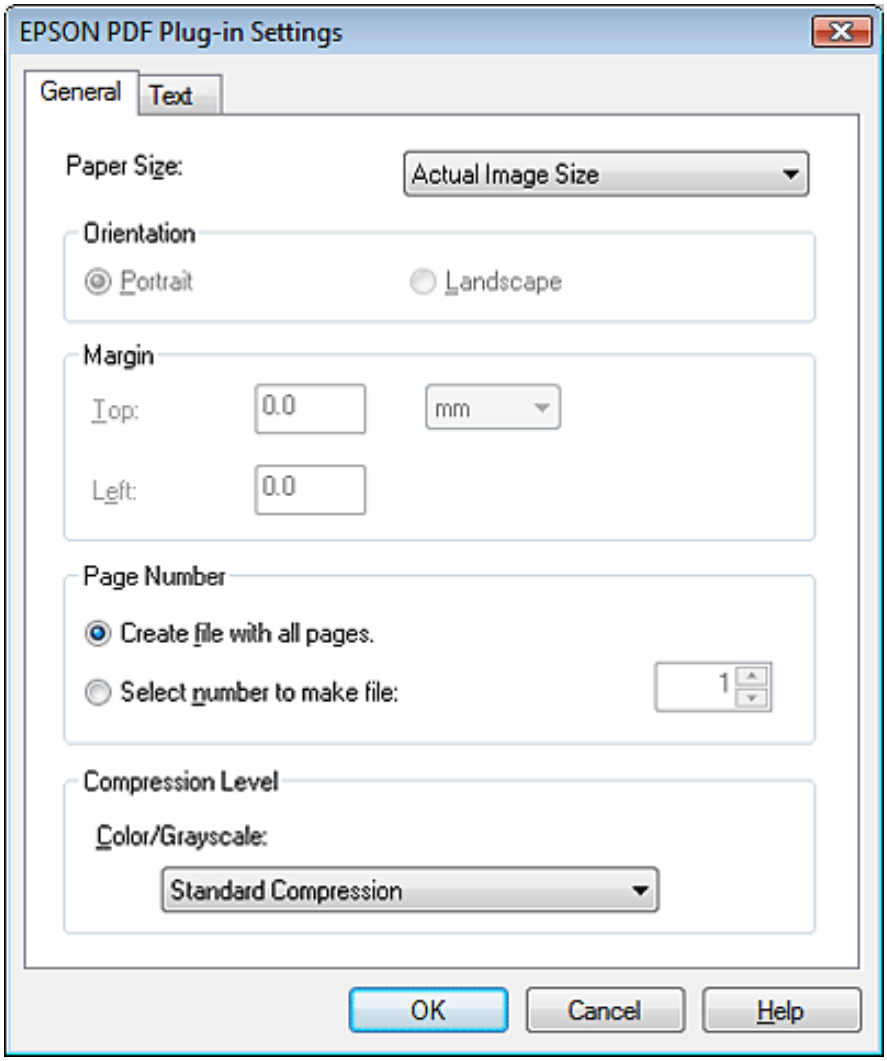
To create a searchable PDF file, click the **Text** tab, select the **Create searchable PDF** check box, then select your language from the **Text Language** list.



Note:

The Text tab is available only when ABBYY FineReader is installed. If ABBYY FineReader is not available in your country, you will not see the Text tab.

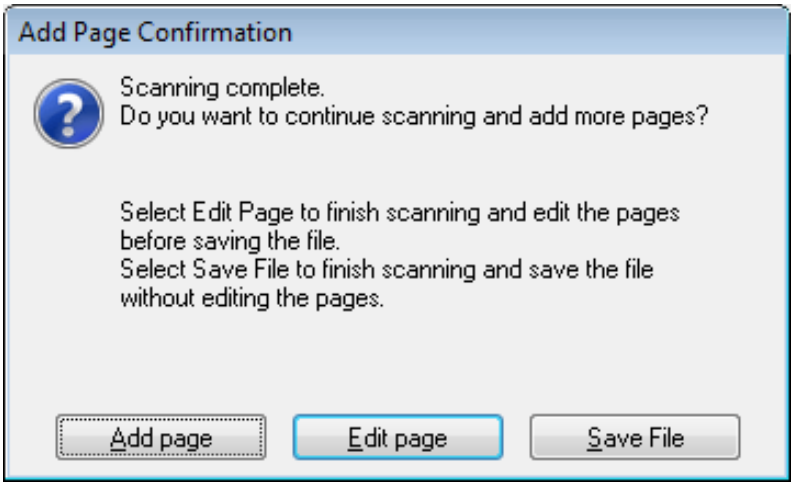
To specify the maximum number of pages that can be included in one PDF file, click the **General** tab and adjust the **Select number to make file** setting.



For other settings in the Epson PDF Plug-in Settings window, see Epson Scan Help for details.

10 Select the settings that match your document and click **OK**. You return to the File Save Settings window.

11 Make any other file save settings, and click **OK**. Epson Scan scans your document and displays the window below.



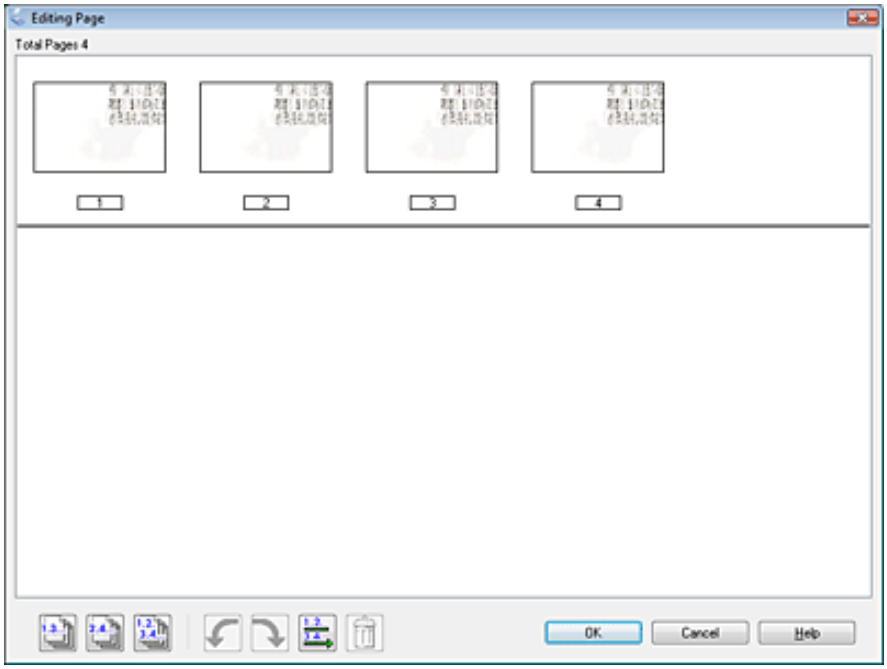
Note:

If you deselect the **Show Add Page dialog after scanning** check box in the File Save Settings window, this window does not appear and Epson Scan automatically saves your document.

12 Select one of the following options.

- **Add page:** Click this button to scan the next page of your document. Replace the first page on the document table with the next page, and click **Scan**. Repeat this step for each page in your document. When you are finished, click **Edit page** and go to step 13.
- **Edit page:** Click this button if you have scanned all the necessary pages so you can edit the scanned pages before saving them in one PDF file. Then go to step 13.
- **Save File:** Click this button when you are ready to finish scanning and save the scanned pages into one PDF without editing them. Then go to step 15.

13 You see the Editing Page window displaying thumbnail images of each scanned page.



Use the tools below the Editing Page window to select, rotate, reorder, and delete pages.

If you want to include all the document pages in your PDF files as they currently look, go to step 14.

If you want to rotate pages, click the pages, or use the odd pages, even pages, or all pages icon to select the pages, then click the left or right rotate icon to rotate them.

If you want to delete pages, click the pages, or use the odd pages or even pages icon to select the pages, then click the delete icon to delete them.

Note:

The delete icon is not available when all pages are selected.

For further details on the tools in the Editing Page window, see Epson Scan Help.

14 When you have finished editing your pages, click **OK**. The pages are saved in one PDF file in Pictures, My Pictures, or the location you selected in the File Save Settings window, and you return to the Home Mode window.

15 Click **Close** to exit Epson Scan.

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Scanning to a PDF File in Professional Mode

1 Place your document on the document table. See one of these sections for instructions.

Documents or photos: Placing Documents or Photos

Film or slides: Placing Film or Slides

2 Start Epson Scan. See Starting Epson Scan for instructions.

3 In the Professional Mode window, select the **Document Type**, **Document Source**, **Auto Exposure Type**, **Image Type**, and **Resolution** settings. For details, see Scanning in Professional Mode.

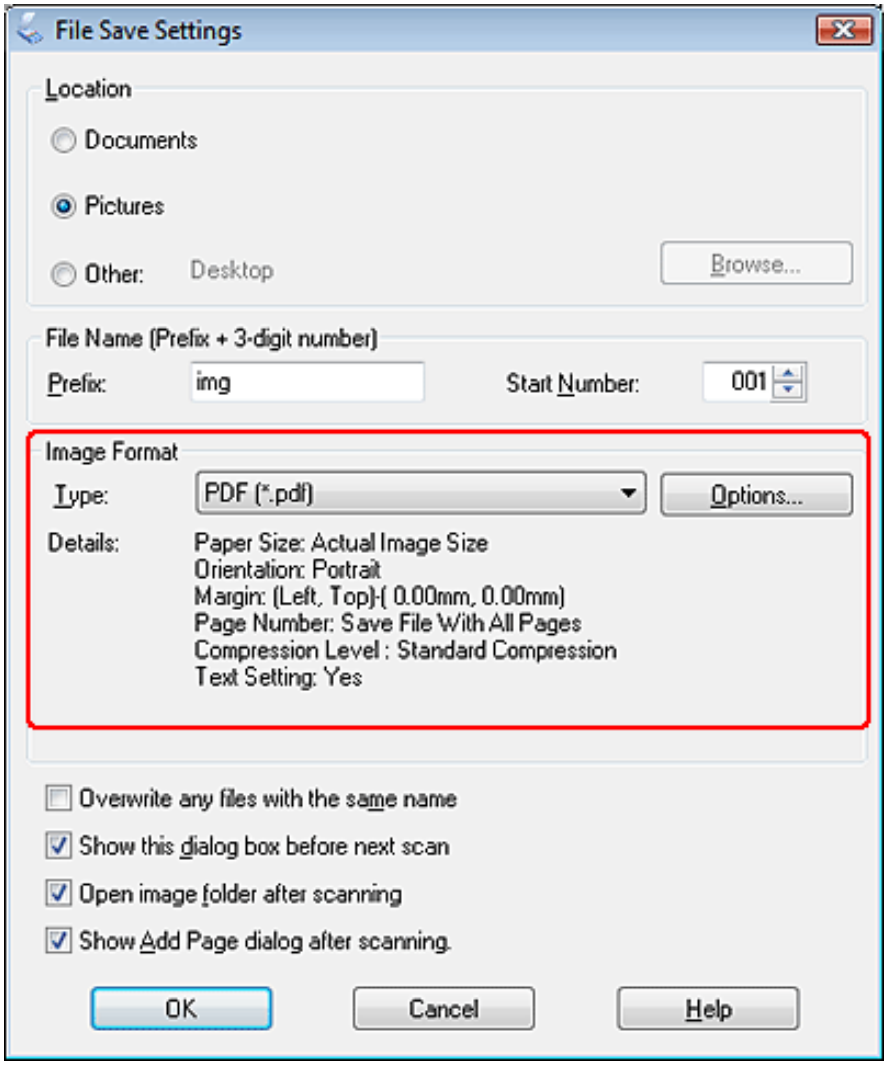
4 Click **Preview** to preview your image(s), then select your scan area. For details, see Previewing and Adjusting the Scan Area.

5 Make any other necessary image adjustments. See Adjusting the Color and Other Image Settings for details.

6 Size your image as necessary. See Selecting the Scan Size for details.

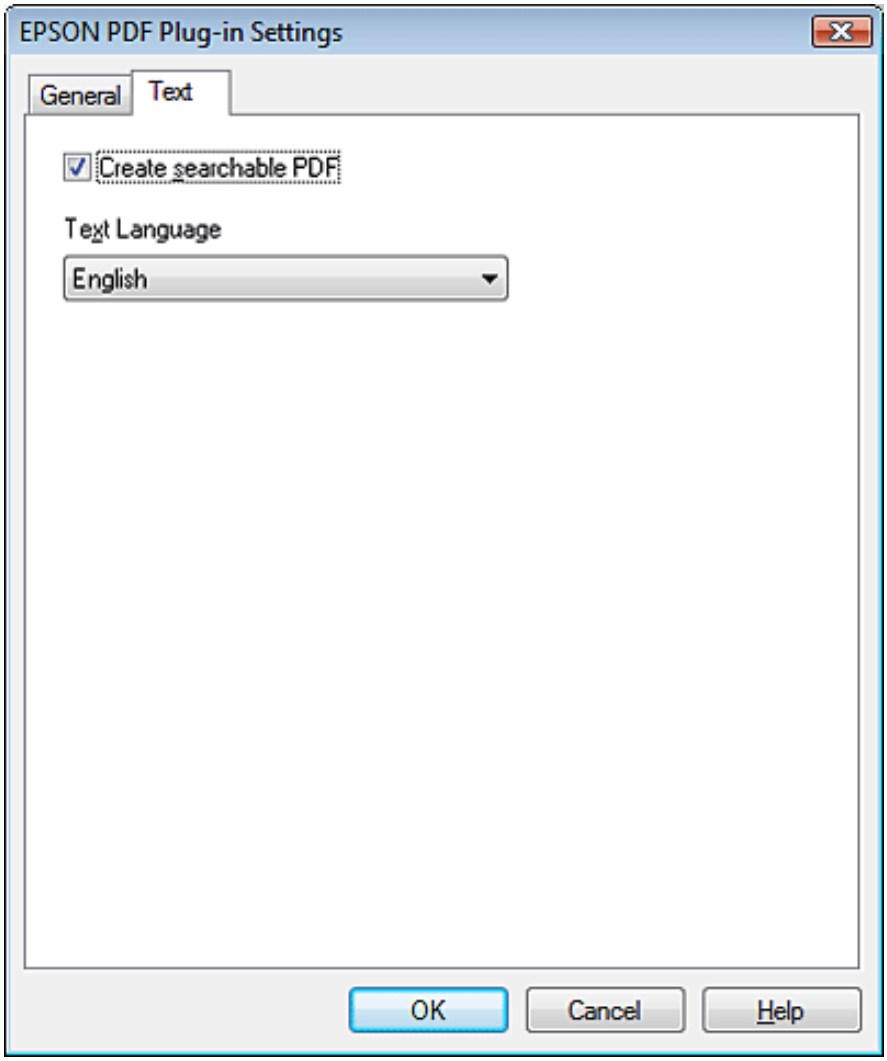
7 Click **Scan**. The File Save Settings window appears.

8 Select **PDF** as the Type setting. The current Paper Size, Orientation, Margin, and other settings are displayed below it.



9 Click **Options**. You see the Epson PDF Plug-in Settings window.

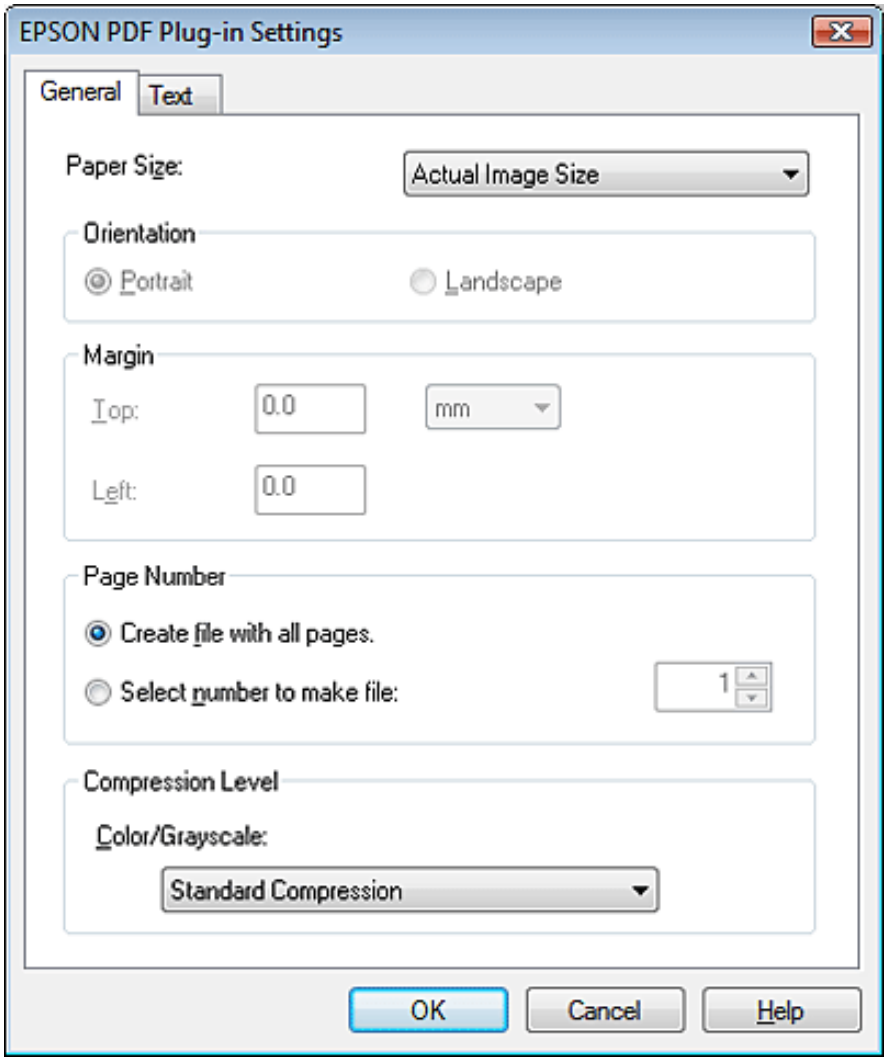
To create a searchable PDF file, click the **Text** tab, select the **Create searchable PDF** check box, then select your language from the **Text Language** list.



Note:

The Text tab is available only when ABBYY FineReader is installed. If ABBYY FineReader is not available in your country, you will not see the Text tab.

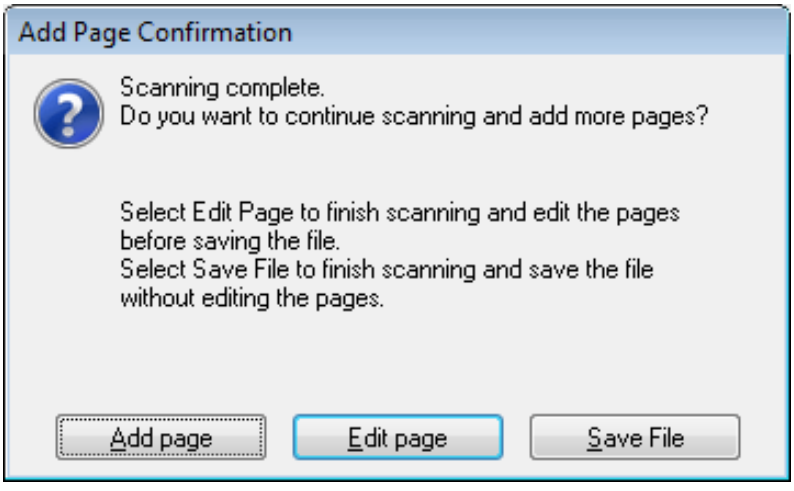
To specify the maximum number of pages that can be included in one PDF file, click the **General** tab and adjust the **Select number to make file** setting.



For other settings in the Epson PDF Plug-in Settings window, see Epson Scan Help for details.

10 Select the settings that match your document and click **OK**. You return to the File Save Settings window.

11 Make any other file save settings, and click **OK**. Epson Scan scans your document and displays the window below.



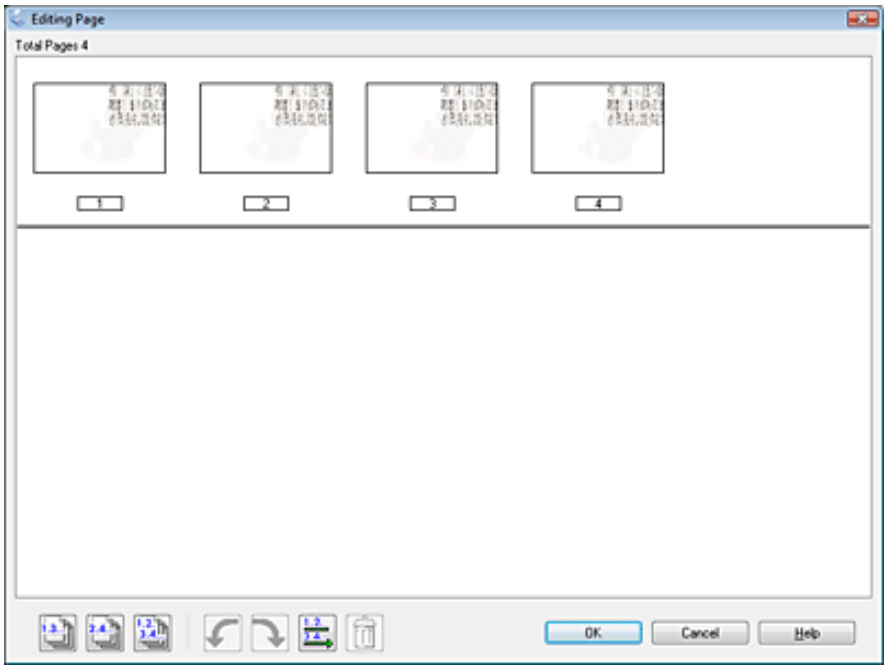
Note:

If you deselect the **Show Add Page dialog after scanning** check box in the File Save Settings window, this window does not appear and Epson Scan automatically saves your document.

12 Select one of the following options.

- **Add page:** Click this button to scan the next page of your document. Replace the first page on the document table with the next page, and click **Scan**. Repeat this step for each page in your document. When you are finished, click **Edit page** and go to step 13.
- **Edit page:** Click this button if you have scanned all the necessary pages so you can edit the scanned pages before saving them in one PDF file. Then go to step 13.
- **Save File:** Click this button when you are ready to finish scanning and save the scanned pages into one PDF without editing them. Then go to step 15.

13 You see the Editing Page window displaying thumbnail images of each scanned page.



Use the tools below the Editing Page window to select, rotate, reorder, and delete pages.

If you want to include all the document pages in your PDF files as they currently look, go to step 14.

If you want to rotate pages, click the pages, or use the odd pages, even pages, or all pages icon to select the pages, then click the left or right rotate icon to rotate them.

If you want to delete pages, click the pages, or use the odd pages or even pages icon to select the pages, then click the delete icon to delete them.

Note:

The delete icon is not available when all pages are selected.

For further details on the tools in the Editing Page window, see Epson Scan Help.

14 When you have finished editing your pages, click **OK**. The pages are saved in one PDF file in Pictures, My Pictures, or the location you selected in the File Save Settings window, and you return to the Professional Mode window.

15 Click **Close** to exit Epson Scan.

Top

Scanning Directly to an E-mail

You can scan and automatically attach scanned image file(s) to an e-mail message with the E-mail button on the scanner.

1. Place your original(s) on the document table. See one of these sections for instructions.

 Documents or photos: Placing Documents or Photos

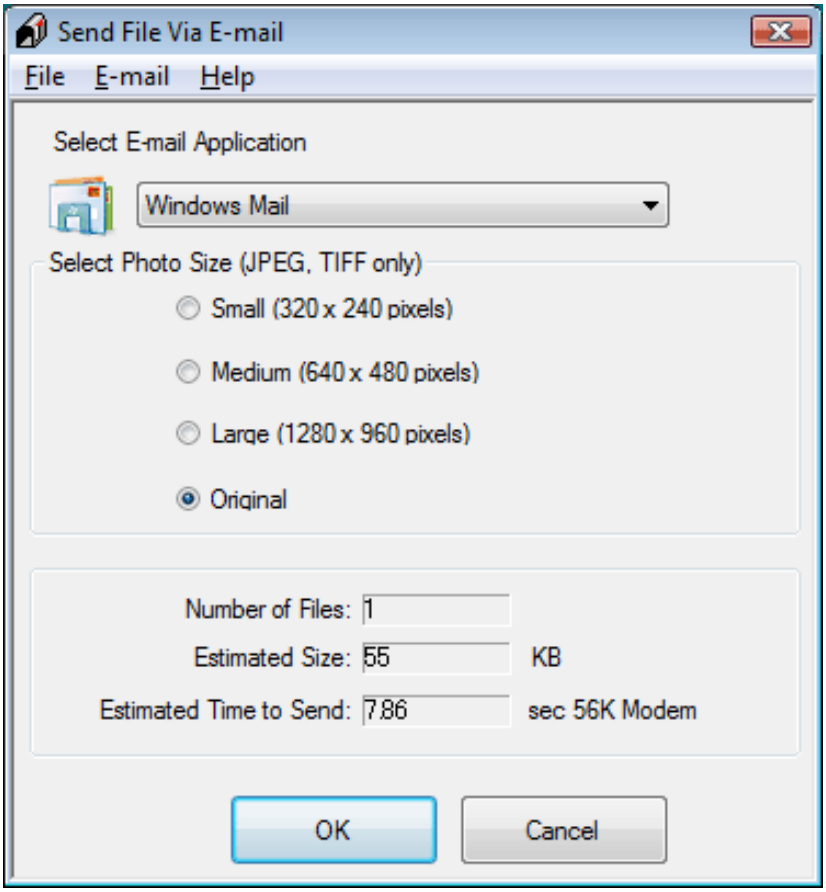
 Film or slides: Placing Film or Slides

2. Press the E-mail button on the scanner. Epson Scan starts in Full Auto Mode and automatically scans your image as a JPEG file.

Note:

- If you want to restore color in or remove dust from your images before scanning, click the **Pause** button to return to the Full Auto Mode window. Then click **Customize**, select your options, click **OK**, and click **Scan** to continue.
- If you want to scan in Office Mode, Home Mode or Professional Mode, click **Pause** to return to the Full Auto Mode window, then change the scan mode. See Changing the Scan Mode for instructions.

After scanning is finished, you see the Send File Via E-mail window.



3 Select the e-mail program you use in the Select E-mail Application list.

4 If you want to resize your image(s), choose an option under Select Photo Size.

Note:

The box at the bottom of the window displays information about the image file(s) you are attaching to the e-mail message.

5 Click **OK**. Your e-mail program is opened and any scanned images you selected are attached to a new e-mail message. See your e-mail program Help if you need instructions on sending your e-mail message.

Converting Scanned Documents Into Editable Text

Converting into Editable Text in Full Auto Mode
Converting into Editable Text in Office Mode
Converting into Editable Text in Home Mode
Converting into Editable Text in Professional Mode

You can scan a document and convert the text into a format that you can edit with a word processing program. This process is called OCR (Optical Character Recognition). To scan and use OCR, you need to use an OCR program, such as the ABBYY FineReader program that came with your scanner.

Note:

ABBYY FineReader may not be included in some countries.

OCR software cannot recognize or has difficulty recognizing the following types of documents or text.

- Handwritten characters
- Items that have been copied from other copies
- Faxes
- Text with tightly spaced characters or line pitch
- Text that is in tables or underlined
- Cursive or italic fonts, and font sizes less than 8 points

See one of these sections to scan and convert text using ABBYY FineReader.

Full Auto Mode: Converting into Editable Text in Full Auto Mode

Office Mode: Converting into Editable Text in Office Mode

Home Mode: Converting into Editable Text in Home Mode

Professional Mode: Converting into Editable Text in Professional Mode

Converting into Editable Text in Full Auto Mode

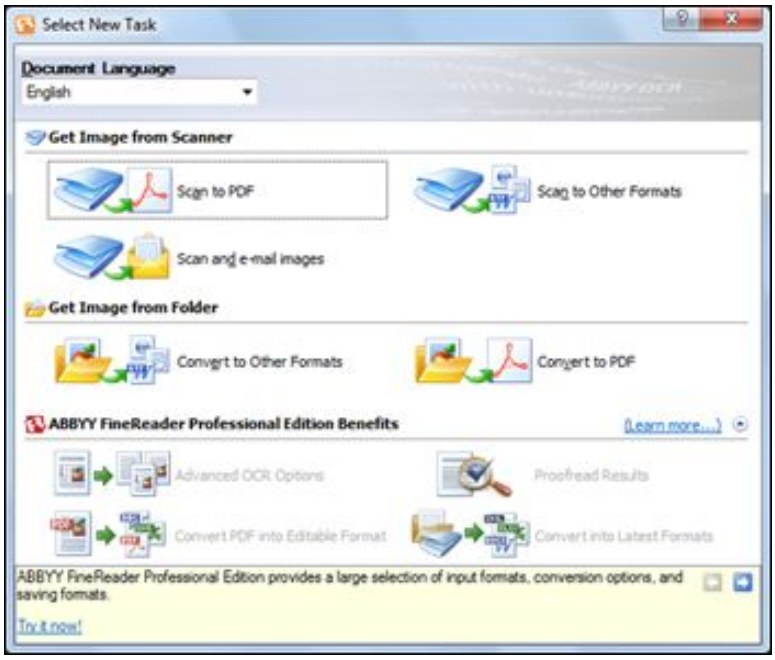
Windows

1. Place your document on the document table. See Placing Documents or Photos for instructions.
2. Do one of the following to start ABBYY FineReader.

 Windows 8: Navigate to the **Start** screen and select **ABBYY FineReader 9.0 Sprint**.

 Windows 7 / Vista / XP: Select the start button or **Start** > **Programs** or **All Programs** > **ABBYY FineReader 9.0 Sprint** > **ABBYY FineReader 9.0 Sprint**.

You see this window:



3. Select the language used in the document you are going to scan as the Document Language setting.

4. Click either the Scan to Other Formats icon or the icon that corresponds with the program you want to scan to.

5. If you see the Select Scanner window, select your product and click OK.

Note:

Do not select a WIA option for your product; it will not work correctly.

6. Select your scan settings.

7. Click Preview and adjust the area you want to scan, if necessary.

8. Click Scan.

Note:

To scan a multi-page document, select settings in the Multi-Page Scanning section and click Scan for each page.

9. When you are finished scanning, click Close. Your document is scanned and processed into editable text, then you see the Save As window.

10 Select a name and a file format for your document and click Save. The file is saved and then opened in an application associated with the file type you selected, if available on your system.

Top

Mac OS X

1 Place your document on the document table. See Placing Documents or Photos for details.

2 Select **Applications** > **ABBYY FineReader Sprint 8.0**.

You see this window:



3 Select your scanner from the **Get Images From** list.

4 Select the language used in the document you are going to scan as the **Document Language** setting.

5 Click the icon for the type of document you want to scan to. Epson Scan starts in the last mode you used.

6 Change the scan mode to **Full Auto Mode** if necessary. See Changing the Scan Mode for instructions.

7 Click **Scan**. Your document is scanned and processed into editable text.

8 Follow the instructions in ABBYY FineReader Help to edit and save your document.

Converting into Editable Text in Office Mode

Windows

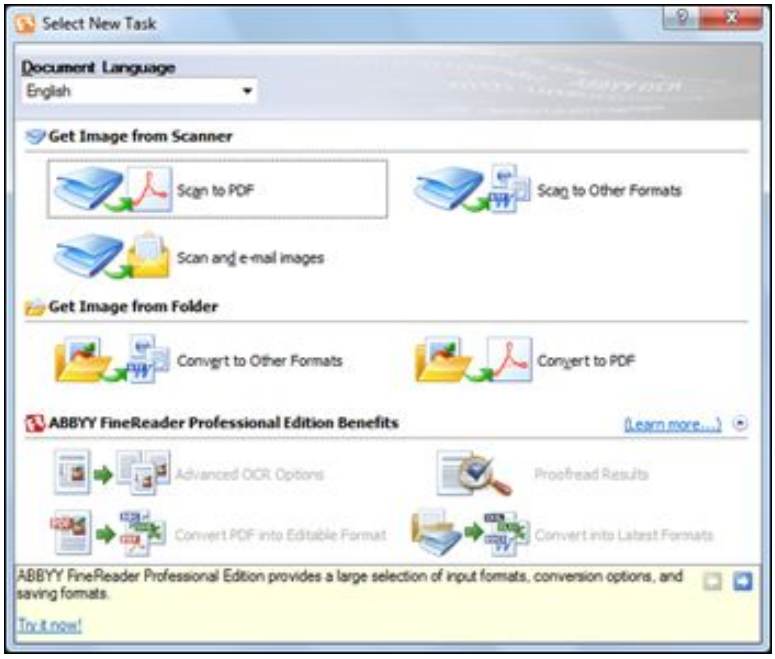
1. Place your document on the document table. See Placing Documents or Photos for instructions.

2. Do one of the following to start ABBYY FineReader.

 Windows 8: Navigate to the **Start** screen and select **ABBYY FineReader 9.0 Sprint**.

 Windows 7 / Vista / XP: Select the start button or **Start** > **Programs** or **All Programs** > **ABBYY FineReader 9.0 Sprint** > **ABBYY FineReader 9.0 Sprint**.

 You see this window:



3. Select the language used in the document you are going to scan as the Document Language setting.

4. Click either the Scan to Other Formats icon or the icon that corresponds with the program you want to scan to.

5. If you see the Select Scanner window, select your product and click OK.

Note:

Do not select a WIA option for your product; it will not work correctly.

6 Select your scan settings.

7 Click Preview and adjust the area you want to scan, if necessary.

8 Click Scan.

Note:

To scan a multi-page document, select settings in the Multi-Page Scanning section and click Scan for each page.

9 When you are finished scanning, click Close. Your document is scanned and processed into editable text, then you see the Save As window.

10 Select a name and a file format for your document and click Save. The file is saved and then opened in an application associated with the file type you selected, if available on your system.

Top

Mac OS X

1 Place your document on the document table. See Placing Documents or Photos for details.

2 Select **Applications** > **ABBYY FineReader Sprint 8.0**.

You see this window:



3. Select your scanner from the **Get Images From** list.
4. Select the language used in the document you are going to scan as the **Document Language** setting.
5. Click the icon for the type of document you want to scan to. Epson Scan starts in the last mode you used.
6. Change the scan mode to **Office Mode** if necessary. See Changing the Scan Mode for instructions.
7. Select **Color, Grayscale, or Black&White** as the Image Type setting.
8. Select the size of your original document as the Size setting.
9. Select **300** as the Resolution setting.
10. Click **Preview** to preview your document. The Preview window appears and displays your document. See Previewing and Adjusting the Scan Area for instructions.
11. Modify the image quality if necessary. See Adjusting the Color and Other Image Settings for instructions.
12. Click **Scan**. Your document is scanned and processed into editable text.

Note:

If the characters in your text are not recognized very well, you can improve recognition by selecting the **Text Enhancement** check box or adjusting the **Threshold** setting. See Adjusting the Color and Other Image Settings for instructions.

13 When you see the Document Conversion window with the finished message, click **Close** in the Epson Scan window.

14 Follow the instructions in ABBYY FineReader Help to edit and save your document.

Top

Converting into Editable Text in Home Mode

Windows

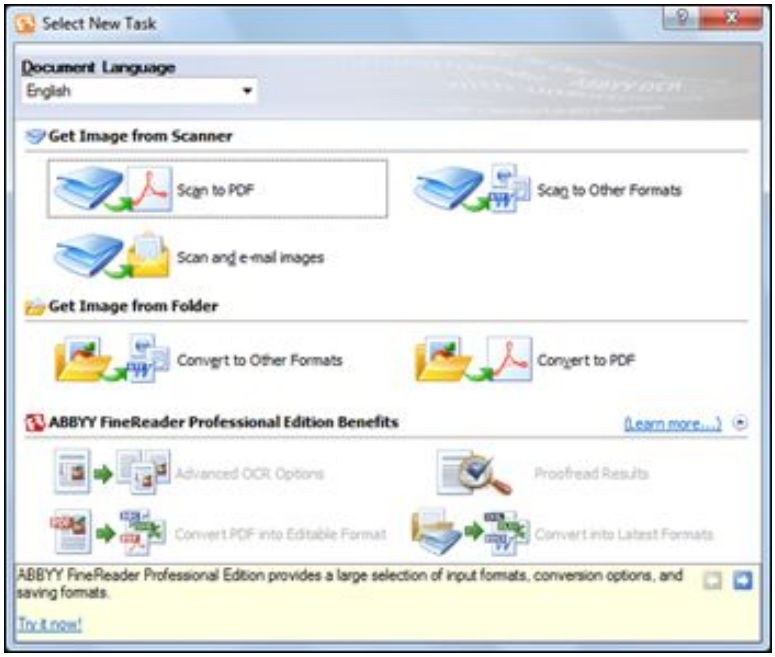
1 Place your document on the document table. See Placing Documents or Photos for instructions.

2 Do one of the following to start ABBYY FineReader.

Windows 8: Navigate to the **Start** screen and select **ABBYY FineReader 9.0 Sprint**.

Windows 7 / Vista / XP: Select the start button or **Start** > **Programs** or **All Programs** > **ABBYY FineReader 9.0 Sprint** > **ABBYY FineReader 9.0 Sprint**.

You see this window:



3 Select the language used in the document you are going to scan as the Document Language setting.

4 Click either the Scan to Other Formats icon or the icon that corresponds with the program you want to scan to.

5 If you see the Select Scanner window, select your product and click OK.

Note:

Do not select a WIA option for your product; it will not work correctly.

6 Select your scan settings.

7 Click Preview and adjust the area you want to scan, if necessary.

8 Click Scan.

Note:

To scan a multi-page document, select settings in the Multi-Page Scanning section and click Scan for each page.

9 When you are finished scanning, click Close. Your document is scanned and processed into editable text, then you see the Save As window.

10 Select a name and a file format for your document and click Save. The file is saved and then opened in an application associated with the file type you selected, if available on your system.

Top

Mac OS X

1 Place your document on the document table. See Placing Documents or Photos for details.

2 Select **Applications** > **ABBYY FineReader Sprint 8.0**.

You see this window:



3. Select your scanner from the **Get Images From** list.
4. Select the language used in the document you are going to scan as the **Document Language** setting.
5. Click the icon for the type of document you want to scan to. Epson Scan starts in the last mode you used.
6. Change the scan mode to **Home Mode** if necessary. See Changing the Scan Mode for instructions.
7. Select **Magazine**, **Newspaper**, or **Text/Line Art** as the Document Type setting.
8. Select the **Black & White** or **Color** as the Image Type setting.
9. Select **Printer** or **Other** as the Destination setting.

Note:

If you select **Other**, select **300** as the Resolution setting.

10. Click **Preview** to preview your document. The Preview window appears and displays your document. See Previewing and Adjusting the Scan Area for instructions.
11. Modify the image quality if necessary. See Adjusting the Color and Other Image Settings for instructions.
12. Click **Scan**. Your document is scanned and processed into editable text.

Note:

If the characters in your text are not recognized very well, you can improve recognition by selecting the **Text Enhancement** check box or adjusting the **Threshold** setting. See Adjusting the Color and Other Image Settings for instructions.

13 When you see the Document Conversion window with the finished message, click **Close** in the Epson Scan window.

14 Follow the instructions in ABBYY FineReader Help to edit and save your document.

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Converting into Editable Text in Professional Mode

Windows

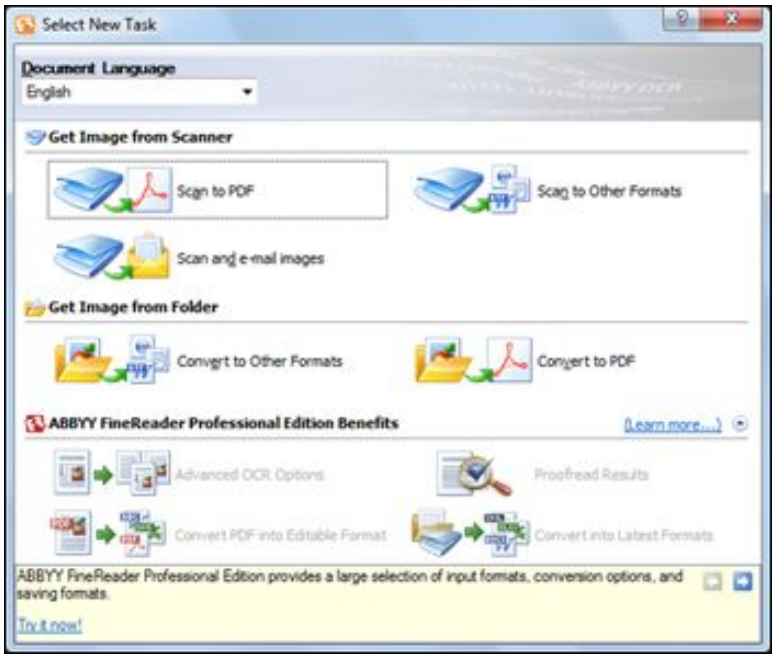
1 Place your document on the document table. See Placing Documents or Photos for instructions.

2 Do one of the following to start ABBYY FineReader.

Windows 8: Navigate to the **Start** screen and select **ABBYY FineReader 9.0 Sprint**.

Windows 7 / Vista / XP: Select the start button or **Start** > **Programs** or **All Programs** > **ABBYY FineReader 9.0 Sprint** > **ABBYY FineReader 9.0 Sprint**.

You see this window:



3 Select the language used in the document you are going to scan as the Document Language setting.

4 Click either the Scan to Other Formats icon or the icon that corresponds with the program you want to scan to.

5 If you see the Select Scanner window, select your product and click OK.

Note:

Do not select a WIA option for your product; it will not work correctly.

6 Select your scan settings.

7 Click Preview and adjust the area you want to scan, if necessary.

8 Click Scan.

Note:

To scan a multi-page document, select settings in the Multi-Page Scanning section and click Scan for each page.

9 When you are finished scanning, click Close. Your document is scanned and processed into editable text, then you see the Save As window.

10 Select a name and a file format for your document and click Save. The file is saved and then opened in an application associated with the file type you selected, if available on your system.

Top

Mac OS X

1 Place your document on the document table. See Placing Documents or Photos for details.

2 Select **Applications** > **ABBYY FineReader Sprint 8.0**.

You see this window:



3. Select your scanner from the **Get Images From** list.
4. Select the language used in the document you are going to scan as the **Document Language** setting.
5. Click the icon for the type of document you want to scan to. Epson Scan starts in the last mode you used.
6. Change the scan mode to **Professional Mode** if necessary. See Changing the Scan Mode for instructions.
7. Select **Reflective** as the Document Type setting.
8. Select **Document** as the Auto Exposure Type setting.
9. Select **Black & White**, **24-bit Color**, or **48-bit Color** as the Image Type setting.
10. Select **300** as the Resolution setting.
11. Click **Preview** to preview your document. The Preview window appears and displays your document. See Previewing and Adjusting the Scan Area for instructions.
12. Modify the image quality if necessary. See Adjusting the Color and Other Image Settings for instructions.
13. Click **Scan**. Your document is scanned and processed into editable text.

Note:

If the characters in your text are not recognized very well, you can improve recognition by selecting the **Text Enhancement** check box or adjusting the **Threshold** setting. See Adjusting the Color and Other Image Settings for instructions.

14 When you see the Document Conversion window with the finished message, click **Close** in the Epson Scan window.

15 Follow the instructions in ABBYY FineReader Help to edit and save your document.

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Scanning Accurate Color Images

1 Start Epson Scan, select **Home Mode** or **Professional Mode**, select the appropriate scan settings, then click **Preview** to prescan your image and adjust the marquee. For details, see one of these sections.

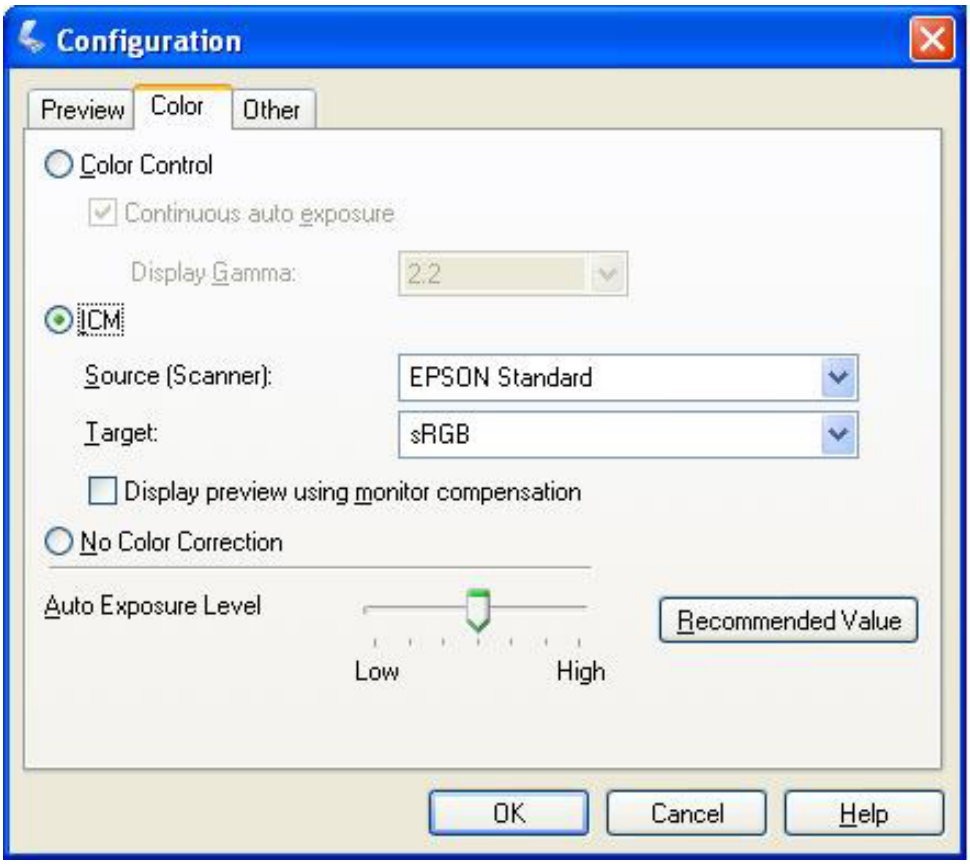
Home Mode: Scanning in Home Mode

Professional Mode: Scanning in Professional Mode

Note:

You cannot use Full Auto Mode or Office Mode for color management.

2 Click **Configuration**, then click the **Color** tab and select **ICM** (Windows) or **ColorSync** (Mac OS X).



3 For the Source (Scanner) setting, select **Epson Standard**. If you have color management software and created a custom ICC profile, select it as the Source (Scanner) setting.

Note:

When creating a custom ICC profile for the scanner, be sure to place the profile in the following folder.

- Windows: C:\Windows\System32\Spool\Drivers\Color
- Mac OS X: hard disk drive\Library\ColorSync\Profiles

4 For the Target setting, select **Adobe RGB**.

5 Select **Display Preview using monitor compensation**, then click **OK** to return to the Epson Scan window.

6 Click **Scan**.

What happens next depends on how you started your scan. See Finishing the Scan for instructions.

Note:

You can also optimize the color accuracy of your images using a photo-editing application, such as Adobe Photoshop Elements. For help using Adobe Photoshop Elements, click the **Help** button in the software, see the software documentation, or see Other Software Technical Support.

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Assigning a Program to a Scanner Button

Assigning a Project Program in Epson Event Manager to a Scanner Button

Each scanner button opens a pre-selected program when you press it. The default programs they open and the default actions they perform are described in the table below.

Button	Default action
Start	Epson Scan starts.
Copy	Epson Copy Utility starts.
E-mail	Epson Scan automatically scans, then the Send File Via E-mail window appears.
PDF	The Scan to PDF window appears.

Assigning a Project Program in Epson Event Manager to a Scanner Button

You can assign any of the scanner buttons to open a program in the Epson Event Manager to make scanning your projects even quicker.

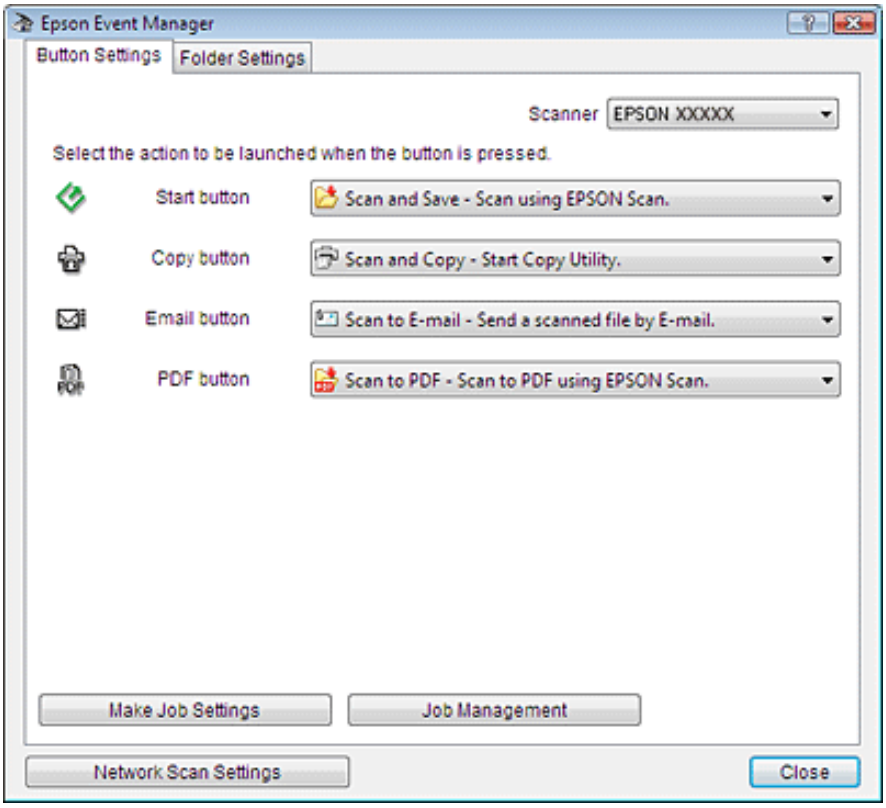
1 Do one of the following to start Epson Event Manager:

Windows 8: Navigate to the **Start** screen > **Event Manager**.

Windows 7 / Vista / XP: Select the start button or **Start** > **Programs** or **All Programs** > **Epson Software** > **Event Manager**.

Mac OS X: Select **Applications** > **Epson Software**, and double-click the **Launch Event Manager** icon.

You see the Button Settings tab in Epson Event Manager.



2 Click the arrow in the list next to the button name, then select the action you want to assign.

3 Click **Close** to close the Epson Event Manager window.

Now whenever you press the button you assigned, the action you selected opens.

Note:

If you need help using Epson Event Manager, do one of the following.
For Windows: Click the icon in the upper right corner of the screen.
For Mac OS X: Click **Help** from menu, then **Epson Event Manager Help**

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Cleaning the Scanner

To keep your scanner operating at its best, clean it periodically using the following procedure.

Caution:

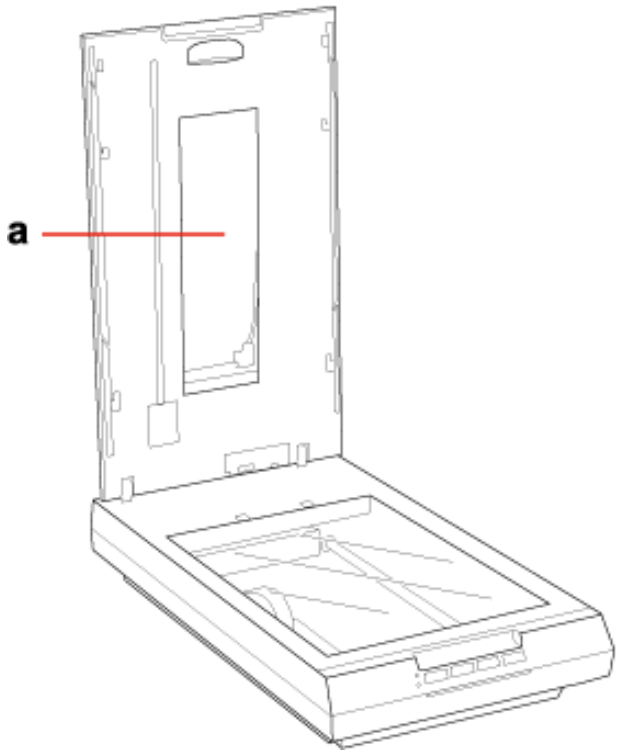
- Do not press the glass surface of the document table with any force.
- Be careful not to scratch or damage the glass surface of the document table, and do not use a hard or abrasive brush to clean it. A damaged glass surface can decrease the scan quality.
- Never use alcohol, thinner, or corrosive solvent to clean the scanner. These chemicals can damage the scanner components and the case.
- Be careful not to spill liquid into the scanner mechanism or electronic components. This could permanently damage the mechanism and circuitry.
- Do not spray lubricants inside the scanner.
- Never open the scanner case.

1. Turn off the scanner using its power switch.
2. Unplug the AC power cord from the scanner.
3. Disconnect the USB cable from the scanner.
4. Clean the outer case with a cloth dampened with mild detergent and water.
5. If the glass surface of the document table gets dirty, clean it with a soft dry cloth. If the glass surface is stained with grease or some other hard-to-remove material, use a small amount of glass cleaner and on a soft cloth to remove it. Wipe off all remaining liquid.

Caution:

Do not spray glass cleaner directly on the scanner glass.

6. Remove the document mat and clean the transparency unit window as described in step 5.



a. transparency unit window

Make sure that no dust builds up on the surface of the document table or the transparency unit window. Dust can cause spots in your scanned images.

Replacing the Scanner Light Source

The luminosity of the scanner light source declines over time. If the light source breaks or becomes too dim to operate normally, the scanner stops working and the Status light rapidly flashes. When this happens, the light source assembly must be replaced by a professional. For details, contact Epson Support. See Contacting Epson Support for more information.

Power Off Timer Setting

The product turns off automatically if no operations are performed for the selected period. You can adjust the time before power management is applied. Any increase will affect the product's energy efficiency. Please consider the environment before making any change.

Follow the steps below to adjust the time.

1. Make sure that the scanner is connected to your computer and that the scanner is turned on.
2. Start Epson Scan Settings.

 Windows:
 Start > **All Programs** or **Programs** > **EPSON** > **EPSON Scan** > **EPSON Scan Settings**

 Mac OS X:
 Select **Applications** > **EPSON Software** > **EPSON Scan Settings**.
3. Click **Power Off Timer**.
4. Set the Power Off Timer, and then click **OK**.

Note:

If you want to turn off Power Off Timer, set the Power Off Timer to **0**.

Transporting the Scanner

Before you transport the scanner for a long distance or store it for an extended period of time, the scanner's carriage needs to be in the home position to prevent damage.

1. Make sure the carriage is in the home position on the upper side of the scanner. If the carriage is not in the home position, turn on the scanner and wait until the carriage moves to the home position.
2. Turn off the scanner using its power switch, then unplug the AC power cord.
3. Disconnect the USB cable from the scanner.
4. On the back of the scanner, slide the transportation lock to the locked position to secure the scanner carriage.
5. Attach the packing materials that came with the scanner, then repack the scanner in its original box or a similar box that fits the scanner snugly.

Scanner Problems

The Status Light Is Flashing
The Scanner Does Not Turn On
The Scanner Turns Off
You Cannot Start Epson Scan
Pressing a Scanner Button Does Not Start the Correct Program

The Status Light Is Flashing

The green and orange status lights are on the left of the PDF button and the blue status light is on the bottom of the four buttons.

Color	Indicator Status	Meaning
Green	On	Power is on.
	Flashing	Entering power saving mode.
Orange	Flashing	An error has occurred. ■ Make sure the scanner is connected to your computer properly. See the Start Here sheet for instructions on connecting the scanner to your computer. ■ Make sure the scanner software is fully installed. See the Start Here sheet for instructions on installing the scanner software. ■ Turn off the scanner using its power switch, then turn it on again. If the Status light is still flashing orange, the scanner may be malfunctioning, or the scanner light source may need to be replaced. See Contacting Epson Support for details.
Blue	Flashing	Initializing or scanning.
(None)	Off	The scanner is off.

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The Scanner Does Not Turn On

- Make sure your scanner's AC adapter is securely connected to the scanner and a working electrical outlet.
- Make sure the electrical outlet works. If necessary, test it by plugging in another electrical device and turning it on.

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The Scanner Turns Off

- Make sure the Power Off Timer is set. For more details, see Power Off Timer Setting.
- This product will enter sleep mode after a period of nonuse. The time interval has been set at the factory to ensure that the product meets Energy Star standards of energy efficiency, and cannot be modified by the consumer.

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You Cannot Start Epson Scan

- Wait until the blue status light stops flashing to indicate that the scanner is ready to scan.
- Make sure the scanner is turned on.
- Turn off the scanner and computer, then check the interface cable connection between them to make sure it is secure.
- Use the USB cable that came with your scanner or that is indicated in USB Interface.
- Connect the scanner directly to the computer's USB port or through one USB hub only. The scanner may not work properly when connected to the computer through more than one USB hub.
- Make sure your computer supports USB.
- If you are using any TWAIN-compliant program, such as Adobe Photoshop Elements, make sure that the correct scanner is selected as the Scanner or Source setting.
- If you upgraded your computer's operating system, you need to reinstall Epson Scan. Uninstall Epson Scan as described in Uninstalling Your Scanning Software, then reinstall it as described in the Start Here sheet.

For Windows only:

Make sure your scanner's name appears under Imaging device without a (?) or an exclamation (!) mark in the Device Manager window. If the scanner's name appears with one of these marks or as an Unknown device, uninstall Epson Scan as described in Uninstalling Your Scanning Software, then reinstall it as described in the Start Here sheet.

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Pressing a Scanner Button Does Not Start the Correct Program

- Make sure Epson Scan is installed correctly.
- **Windows Vista and XP:** Click the **Events** tab in your scanner's Properties window and make sure **Take no action** is not selected. Also, make sure the desired button is selected in the Select an event list box, and **Start this program** is selected.
- **Mac OS X:** Make sure you are logged on as the user who installed the scanner software. Other users must first start Epson Scanner Monitor in the Applications folder and then press a button to scan.

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Scanning Problems

You Cannot Scan Using the Thumbnail Preview
You Have Trouble Adjusting the Scan Area in the Thumbnail Preview
Negative Film Preview Images Look Strange
You Cannot Scan Multiple Images at One Time
You Cannot Scan in Full Auto Mode
Scanning Takes a Longer Time
You Cannot Scan Film or Slides

You Cannot Scan Using the Thumbnail Preview

- If you are using Full Auto Mode or Office Mode, the thumbnail preview is not available. Change the scan mode to Home Mode or Professional Mode. See Changing the Scan Mode for instructions.
- If you are scanning images with a very dark or bright background, use normal preview and create marquees on the area you want to scan. See Previewing and Adjusting the Scan Area for instructions.
- If you are scanning a film strip including both panoramic and regular size images, the panoramic images are not previewed. For the panoramic images, use normal preview and create marquees on the area you want to scan. See Previewing and Adjusting the Scan Area for instructions.
- If you are scanning a large size document, use normal preview and create marquees on the area you want to scan. See Previewing and Adjusting the Scan Area for instructions.
- Make sure the **Document Type** setting (Home Mode) or **Document Type** and **Film Type** settings (Professional Mode) are correct. See Scanning in Home Mode or Scanning in Professional Mode for instructions.
- Click **Configuration**, select the **Preview** tab, and adjust the thumbnail cropping area using the **Thumbnail Cropping Area** slider.
- If you are scanning in Home Mode and Illustration, Magazine, Newspaper or Text/Line Art is selected as Document Type, thumbnail preview is not available.

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You Have Trouble Adjusting the Scan Area in the Thumbnail Preview

- Create a marquee or adjust the existing marquee to select the area you want to scan. See Creating a Marquee on a Preview Image for instructions.
- Click **Configuration**, select the **Preview** tab, and adjust the thumbnail cropping area using the **Thumbnail Cropping Area** slider.
- Use the normal preview and create marquees on the area you want to scan. See Adjusting the Color and Other Image Settings for instructions.

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Negative Film Preview Images Look Strange

- Make sure the **Document Type** setting (Home Mode) or **Film Type** settings (Professional Mode) are set correctly for your film. See Scanning in Home Mode or Scanning in Professional Mode for instructions.
- If you are in normal preview, the dark area around the film and the frame of the film holder is perceived as white. This alters the exposure and causes images to appear darker. Create marquees on the image area you want to scan, then click **Zoom** to preview the area. See Previewing and Adjusting the Scan Area for instructions.
- Use thumbnail preview instead of normal preview. See Previewing and Adjusting the Scan Area for instructions.

Top

You Cannot Scan Multiple Images at One Time

Position photos at least 20 mm (0.8 inch) apart from each other on the document table.

Top

You Cannot Scan in Full Auto Mode

- If you are scanning images with a very dark or bright background, switch to Office Mode, Home Mode, or Professional Mode. To change the scan mode, see Changing the Scan Mode. Then, use normal preview and create marquees on the area you want to scan. See Previewing and Adjusting the Scan Area for instructions.
- If you are scanning a large size document, such as A4, switch to Office Mode, Home Mode, or Professional Mode. To change the scan mode, see Changing the Scan Mode. Then, use normal preview and create marquees on the area you want to scan. See Previewing and Adjusting the Scan Area for instructions.

Top

Scanning Takes a Longer Time

- Try scanning your original at a lower resolution setting to speed up scanning. See Selecting the Scan Resolution for instructions.
- Computers with USB 2.0 (high speed) ports can scan faster than those with USB 1.1 ports. If you are using a USB 2.0 port with your scanner, make sure it meets the system requirements. See System Requirements for details.
- If you scan using DIGITAL ICE Technology or Show Texture function, scanning takes a longer time.

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You Cannot Scan Film or Slides

- Make sure the document mat is removed from the scanner cover. See Removing the Document Mat for instructions.
- Make sure your film or slides are placed in the film holder correctly and the film holder is properly positioned on the document table. See Placing Film or Slides for instructions.
- Make sure the **Document Type** setting (Home Mode) or **Film Type** settings (Professional Mode) are set correctly for your film/slide type. See Scanning in Home Mode or Scanning in Professional Mode for

instructions.

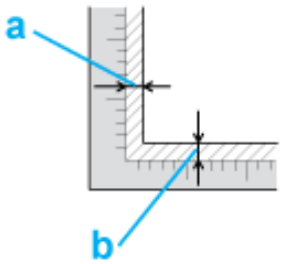
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Scan Quality Problems

The Edges of Your Original Are Not Scanned
You See Only a Few Dots in Your Scanned Image
A Line or Line of Dots Always Appears in Your Scanned Images
Straight Lines in Your Image Come Out Crooked
Your Image Is Distorted
Colors Are Patchy or Distorted at the Edges of Your Image
Your Scanned Image Is Too Dark
An Image on the Back of Your Original Appears in Your Scanned Image
Ripple Patterns Appear in Your Scanned Image
Characters Are Not Recognized Well When Converted into Editable Text (OCR)
Scanned Colors Differ From the Original Colors
Striped Rings Appear in Your Scanned Image of Film or Slides Images
Images are Rotated Incorrectly
Texture of document is not scanned in the scanned image

The Edges of Your Original Are Not Scanned

- If you are scanning in Full Auto Mode, or using thumbnail preview in Home Mode or Professional Mode, move the document or photo about 6 mm (0.2 inch) away from the horizontal and vertical edges of the document table to avoid cropping.
- If you are scanning using normal preview in Office Mode, Home Mode, or Professional Mode, move the document or photo about 3 mm (0.12 inch) away from the horizontal and vertical edges of the document table to avoid cropping.



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You See Only a Few Dots in Your Scanned Image

- Make sure the document or photo is placed on the document table with the side to be scanned facing down. See Placing Documents or Photos for details.
- When scanning with the **Black&White** setting in Office Mode or Home Mode, or the **Black & White** setting in Professional Mode, change the **Threshold** setting. See Adjusting the Color and Other Image Settings for instructions.

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A Line or Line of Dots Always Appears in Your Scanned Images

The document table or transparency unit window may need cleaning. Clean the document table. See Cleaning the Scanner.

If you still have the problem, the document table or transparency unit window may be scratched. Contact Epson Support for assistance. See Contacting Epson Support.

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Straight Lines in Your Image Come Out Crooked

Make sure the document lies perfectly straight on the document table.

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Your Image Is Distorted



- Make sure the document or photo lies flat on the document table. Also make sure your document or photo is not wrinkled or warped.
- Make sure you do not move the document or photo, or your scanner while scanning.
- Make sure the scanner is placed on a flat, stable surface.
- Select **Unsharp Mask** check box in Office Mode or Professional Mode window. See Adjusting the Color and Other Image Settings for instructions.
- Adjust the **Auto Exposure** setting in Professional Mode window. See Adjusting the Color and Other Image Settings for instructions.
- Click **Configuration**, select the **Color** tab, and select **Color Control** and **Continuous auto exposure**. See Epson Scan Help for details.
- Click **Configuration**, select the **Color** tab, and click **Recommended Value** to return the Auto Exposure setting to the default. See Epson Scan Help for details.
- Increase the resolution setting. See Selecting the Scan Resolution for instructions.

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Colors Are Patchy or Distorted at the Edges of Your Image



If your document is very thick or curled at the edges, cover the edges with paper to block external light as you scan.

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Your Scanned Image Is Too Dark



- If your original is too dark, try using the **Backlight Correction** feature in Home Mode or Professional Mode. See Fixing Backlit Photos for instructions.
- Check the **Brightness** setting in Office Mode, Home Mode, or Professional Mode. See Epson Scan Help for details.
- Click **Configuration**, select the **Color** tab, and change the **Display Gamma** setting to match your output device, such as a monitor or printer. See Epson Scan Help for details.
- Click **Configuration**, select the **Color** tab, and select **Color Control** and **Continuous auto exposure**. See Epson Scan Help for details.
- Click **Configuration**, select the **Color** tab, and click **Recommended Value** to return the Auto Exposure setting to the default. See Epson Scan Help for details.
- Click the  Histogram Adjustment icon in Professional Mode to adjust the brightness.
- Check the brightness and contrast settings of your computer monitor.

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An Image on the Back of Your Original Appears in Your Scanned Image

If your original is printed on thin paper, images on the back may be visible to the scanner and appear in your scanned image.

- Try scanning the original with a piece of black paper placed on the back of it.
- Also check the scanning software settings such as image type and image adjustment.
- Try using Text Enhancement function.
 See Scanning in Home Mode or Scanning in Office Mode for instructions.

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Ripple Patterns Appear in Your Scanned Image

A ripple or cross-hatch pattern (called moiré) may appear in a scanned image of a printed document. It is caused by interference from the differing pitches in the scanner's screen and the halftone screen in your original.

Original image	Descreening applied
 Off	 On

- Select the **Descreening** check box in Office Mode, Home Mode, or Professional Mode. In Professional Mode, select an appropriate **Screen Ruling** for the Descreening and deselect the **Unsharp Mask** setting. See Adjusting the Color and Other Image Settings for instructions.
- Select a lower resolution setting. See Selecting the Scan Resolution for instructions.

Note:

You cannot remove ripple patterns when you are scanning film or monochrome images, or scanning using a resolution higher than 600 dpi.

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Characters Are Not Recognized Well When Converted into Editable Text (OCR)

- Make sure the document lies perfectly straight on the document table.
- In Office Mode or Home Mode, select the **Text Enhancement** check box.
- Adjust the **Threshold** setting.
 - **Office Mode** or **Home Mode:** Select **Black&White** as the Image Type setting. Then try adjusting the **Threshold** setting. See Converting Scanned Documents Into Editable Text for instructions.
 - **Professional Mode:** Click the **+** (Windows) or ▶ (Mac OS X) button next to **Image Type** and make the appropriate Image Option setting. Then try adjusting the **Threshold** setting. See Converting Scanned Documents Into Editable Text for instructions.
- Check your OCR software manual to see if there are any settings you can adjust in your OCR software.

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Scanned Colors Differ From the Original Colors

- Make sure the **Image Type** setting is correct. See Scanning in Office Mode, Scanning in Home Mode, or Scanning in Professional Mode for instructions.
- Click **Configuration**, select the **Color** tab, and change the **Display Gamma** setting to match your output device, such as a monitor or printer, in the Color menu. See Epson Scan Help for details.

- Adjust the **Auto Exposure** setting in Professional Mode. Also try selecting a different **Tone Correction** setting. See Adjusting the Color and Other Image Settings for instructions.
- Click **Configuration**, select the **Color** tab, and select **Color Control** and **Continuous auto exposure** in the Color menu. See Epson Scan Help for details.
- Click **Configuration**, select the **Color** tab, and click **Recommended Value** to return the Auto Exposure setting to the default. See Epson Scan Help for details.
- Click **Configuration**, select the **Preview** tab, and turn on the **Quality Preview** setting in the Preview menu. See Epson Scan Help for details.
- Make sure to enable the **Embed ICC Profile** setting. In the File Save Settings window, select **JPEG** or **TIFF** as the Type setting. Click **Options**, then select the **Embed ICC Profile** check box. To access the File Save Settings window, see Selecting File Save Settings.
- Check the color matching and color management capabilities of your computer, display adapter, and software. Some computers can change the palette of colors on your screen. See your software and hardware manuals for details.
- Use the color management system for your computer: ICM for Windows, or ColorSync for Mac OS X. Add a color profile that matches your monitor to improve on-screen color matching. Exact color matching is very difficult. Check your software and monitor documentation for information on color matching and calibration.

Note:

- In the Home Mode, when Illustration, Magazine, Newspaper, Text/Line Art is selected for the document type, Epson sRGB is embedded even if other ICM/ColorSync setting is selected.
- In the Office Mode, Epson sRGB is embedded even if other ICM/ColorSync setting is selected.
- In the Professional Mode, when Document is selected for the Auto Exposure type, Epson sRGB is embedded even if other ICM/ColorSync setting is selected.

- Printed colors can never exactly match the colors on your monitor because printers and monitors use different color systems: monitors use RGB (red, green, and blue) and printers typically use CMYK (cyan, magenta, yellow, and black).

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Striped Rings Appear in Your Scanned Image of Film or Slides Images

A ring-shaped pattern of stripes (called a Newton ring) sometimes appears on scanned images of transparent materials. This may occur if the film is curled.

Place the film or slides with the base side facing up and preview using thumbnail preview. Then flip the previewed image by clicking the  mirroring icon in the Preview window. See Adjusting the Color and Other Image Settings for instructions.

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Images are Rotated Incorrectly

- Make sure the documents or photos are placed on the document table correctly. See Placing Documents or Photos for instructions.
- Make sure the film or slides are placed in the film holder correctly and the film holder is properly positioned on the document table. See Placing Film or Slides for instructions.
- If you are scanning using thumbnail previews in Home Mode or Professional Mode, select the image and click the  rotation icon to rotate it. See Previewing and Adjusting the Scan Area for instructions.
- Try disabling or enabling the **Auto Photo Orientation** setting.

- **Full Auto Mode:** Click **Customize**, and select or deselect **Auto Photo Orientation**.
- **Home Mode or Professional Mode:** Click **Configuration**, select the **Preview** tab, and select or deselect **Auto Photo Orientation**.

Note:

- The Auto Photo Orientation feature will not work when you scan newspaper or magazine pages, documents, illustrations, or line art. The feature will also not work when you scan images that are 5.1 cm (2 inches) or smaller on any side.
- The Auto Photo Orientation feature may not work correctly if the faces in your image are very small or not looking straight ahead, or if the faces are of infants. The feature may also not work correctly if you scan an indoor image that contains no faces, an outdoor image in which the sky is not at the top, or any image containing bright spots or objects in locations other than the top of your image.

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Texture of document is not scanned in the scanned image

Select the **Show Texture** check box on the Other menu in the Configuration dialog box.

Note:

- Show Texture increases scanning time.
- If you select the Show Texture check box after previewing, do preview again to confirm the effect of the Show Texture function.
- Show Texture is not available in Full Auto mode.
- Show Texture is not available when scanning films.
- DIGITAL ICE Technology is not available when the Show Texture check box is selected and reflective document is selected as Document Type.
- The Show Texture check box is cleared when you restart the Epson Scan.

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Uninstalling Your Scanning Software

For Windows
For Mac OS X

You may need to uninstall and then reinstall your scanner software to solve certain problems or if you upgrade your operating system.

For Windows

Note:

- For Windows 8, Windows 7 and Vista, you need an administrator account and password if you log on as a standard user.
- For Windows XP, you must log on to a Computer Administrator account.

1. Turn off the scanner.
2. Disconnect the scanner's interface cable from your computer.
3. Do one of the following.

 Windows 8: Navigate to the **Start** screen, right-click and select **All apps**. Select **Control Panel**.

 Windows 7 and Vista: Click the start button and select **Control Panel**.

 Windows XP: Click **Start** and select **Control Panel**.
4. Do one of the following.

 Windows 8: Select **Programs**, then select **Programs and Features**.

 Windows 7 and Vista: Click **Uninstall a program** from the Programs category.

 Windows XP: Double-click the **Add or Remove Programs** icon.
5. Select the software you want to uninstall such as Epson Scan, your scanner's Manual, and the application from the list displayed.
6. Do one of the following.

 Windows 8 / Windows 7: Click **Uninstall / Change**.

 Windows Vista: Click **Uninstall / Change**, and then click **Continue** in the User Account Control window.

 Windows XP: Click **Change / Remove**.

7. When the confirmation window appears, click **Yes**.

8. Follow the on-screen instructions.

 In some cases, a message may appear to prompt you to restart your computer. If so, make sure **I want to restart my computer now** is selected and click **Finish**.

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For Mac OS X

In most cases, you do not need to uninstall your product software before reinstalling it. However, you can download the Uninstall Center utility from the Epson support website to uninstall your product software as described here.

Note:

- To uninstall applications you must log on to a Computer Administrator account. You cannot uninstall programs if you log on as a Limited account user.
- If you find that reinstalling your product software does not solve a problem, contact Epson.

1. To download the Uninstall Center utility, visit the Epson download site (U.S. downloads or Canadian downloads).

2. Follow the instructions on the screen to install the Uninstall Center.

3. Quit all applications currently running on your Mac.

4. Double click the **Uninstall Center** icon.

5. Select the checkbox for each software program you want to uninstall.

6. Click **Uninstall**.

7. Follow the on-screen instructions to uninstall the software.

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Technical Support Web Site

Epson's Technical Support Web Site provides help with problems that cannot be solved using the troubleshooting information in your product documentation. In addition, the support site has the latest drivers, FAQs, manuals, and other downloadables. If you have a Web browser and can connect to the Internet, access the site at:

http://www.epson.com/support/ (U.S.) or http://www.epson.ca/support/ (Canada)

Contacting Epson Support

Before Contacting Epson
Help for Users in North America
Help for Users in Latin America
Other Software Technical Support

Before Contacting Epson

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact Epson support services for assistance.

Epson support will be able to help you much more quickly if you give them the following information:

- Product serial number
 (The serial number label is usually on the back of the product.)
- Product model
- Product software version
 (Click **About**, **Version Info**, or similar button in the product software.)
- Brand and model of your computer
- Your computer operating system name and version
- Names and versions of the software applications you normally use with your product

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Help for Users in North America

Epson provides the technical support services listed below.

Internet Support

Visit Epson's support website at http://epson.com/support (US) or http://epson.ca/support (Canada) and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

Dial: (562) 276 - 4382 (U.S.), or (905) 709-3839 (Canada), 6 am to 8 pm, Pacific Time, Monday through Friday, and 7 am to 4 pm, Pacific Time, Saturday. Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Before you call Epson for support, please have the following information ready:

- Product name

- Product serial number
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

Note:

For help using any other software on your system, see the documentation for that software for technical support information.

Purchase Supplies and Accessories

You can purchase genuine Epson ink cartridges, ribbon cartridges, paper, and accessories from an Epson authorized reseller. To find the nearest reseller, call 800-GO-Epson (800-463-7766). Or you can purchase online at http://www.epsonstore.com (U.S. sales) or http://www.epson.ca (Canadian sales).

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Help for Users in Latin America

Electronic support services are available 24 hours a day at the following web sites:

Service	Access
World Wide Web	From the Internet, you can reach Epson's Latin American web site at http://www.latin.epson.com In Brazil, you can reach Epson at http://www.epson.com.br

To speak with a support representative, call one of the numbers below:

Country	Telephone number
Argentina	(54 11) 5167-0300
Brazil	(55 11) 3956-6868
Chile	(56 2) 230-9500
Colombia	(571) 523-5000
Costa Rica	(50 6) 2210-9555, (800) 377-6627
Mexico	(52 55) 1323-2052, 01-800-087-1080
Peru	(51 1) 418-0210
Venezuela	(58 212) 240-1111

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Other Software Technical Support

Adobe Photoshop Elements

(800) 833-6687

www.adobe.com/support

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ABBYY FineReader

(408) 457-9777

www.abbyy.com

support@abbyyusa.com

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System Requirements

Windows System Requirements
Macintosh System Requirements

Make sure your system meets the requirements in these sections before using it with your scanner.

Windows System Requirements

System	Microsoft Windows 8, Windows 7, Windows Vista, Windows XP, Windows XP x64
Interface	USB 2.0 (Type-B standard Connector)
Display	Color monitor with 1024 × 768 screen resolution or higher, and 24-bit (Full Color) color (Color and tone reproduction are subject to the display capability of your computer system, including the video card, display monitor, and software. See your system documentation for details.)

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Macintosh System Requirements

System	Mac OS X 10.5.8, Mac OS X 10.6.x, 10.7.x, 10.8.x. Fast User Switching is not supported.
Interface	Macintosh USB
Display	Color monitor with 1024 × 768 screen resolution or higher, and millions of colors (Color and tone reproduction are subject to the display capability of your computer system, including the video card, display monitor, and software. See your system documentation for details.)

Note:

Epson Scan does not support the UNIX File System (UFS) for Mac OS X. You must install Epson Scan on a disk or in a partition that does not use UFS.

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Scanner Specifications

General
Mechanical
Electrical
Environmental
Interfaces
Standards and Approvals

Note:

Specifications are subject to change without notice.

General

Scanner type	Flatbed color
Photoelectric device	Color CCD line sensor
Effective pixels	54400 × 74880 pixels at 6400 dpi Scanning area may be restricted if resolution setting is large.
Document size	Reflective: 216 × 297 mm (8.5 × 11.7 inches) A4 or US letter size Transparent: 35 mm film strip: 12 frames at a time 35 mm slides: up to 4 slides at a time 6 cm medium format: up to 22 cm
Scanning resolution	6400 dpi (main scan) 9600 dpi with Micro Step (sub scan)
Output resolution	50 to 6400, 9600, and 12800 dpi (50 to 6400 dpi in 1 dpi increments)
Image data	16 bits per pixel per color internal 16 bits per pixel per color external (maximum)
Interface	One Hi-Speed USB/USB port
Light source	White LED, IR LED

Note:

Optional optical resolution is the maximum scan resolution of the CCD elements, using the definition of ISO 14473. ISO 14473 defines optical resolution as the fundamental sampling rate of the scan sensor.

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Mechanical

Dimensions	Width: 280 mm (11.0 inches) Depth: 485 mm (19.1 inches) Height: 118 mm (4.6 inches)
Weight	Approx. 4.1 kg (9.0 lb) without AC adaptor

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Electrical

Note:

Check the label on the AC adapter or on the back of the scanner for voltage information.

Scanner

Rated voltage	DC 24 V
Rated input current	1.3 A
Power consumption	16.5 W Operating 5.5 W Ready Mode 1.6 W Sleep Mode 0.4 W Power off

AC Adapter

	100-120 V model	220-240 V model
AC adapter model	A411B	A411E
Rated input voltage	AC 100 to 120 V	AC 220 to 240 V
Rated input current	1.0 A	0.5 A
Rated input frequency	50 to 60 Hz	
Rated output voltage	DC 24 V	
Rated output current	1.3 A	

Note:

The AC adapter model varies in certain locations.

Default Delay Times for Power Management for Epson® products

This product will enter sleep mode after a period of nonuse. The time interval has been set at the factory to ensure that the product meets Energy Star standards of energy efficiency, and cannot be modified by the consumer.

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Environmental

Temperature	Operating	10 to 35 ˚C (50 to 95 ˚F)
	Storage	–25 to 60 ˚C (–13 to 140 ˚F)
Humidity	Operating	10 to 80%, without condensation
	Storage	10 to 85%, without condensation
Operating conditions		Ordinary office or home conditions. Avoid operating the scanner in direct sunlight, near a strong light source, or in extremely dusty conditions.

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Interfaces

USB Interface

Interface type	Universal Serial Bus Specification Revision 2.0
Electrical standard	Full Speed mode (12 Mbits per second) and Hi-Speed mode (480 Mbits per second) of Universal Serial Bus Specification Revision 2.0.
Connector type	One Type B port

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Standards and Approvals

Scanner

EMC	FCC Part 15 Subpart B Class B CAN/CSA-CEI/IEC CISPR22 Class B

AC Adapter

Safety	UL60950-1 CAN/CSA-C22.2 No. 60950-1
EMC	FCC Part 15 Subpart B Class B CAN/CSA-CEI/IEC CISPR22 Class B

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